STRATFORD ST MARY
PRIMARY SCHOOL

Swans Class (Year 5)

Reading

- Please read your reading book and others that you may have in the house. You can also find some good books through www.oxfordowl.co.uk
- The class login is: Stratford Swans (space included)
- Password: Mr Bassett (space included)
- You can access the books via the e-books section. There are also activities you can complete on each book.

Maths

- Please complete the maths sheets provided:
- There are 5x 'White Rose Maths' lesson worksheets to complete. A video tutorial for each lesson worksheet is available here: https://whiterosemaths.com/homelearning/year-5/. Please watch the videos before attempting the worksheets. *Answer sheets are attached and provided for all 5 lessons, focusing on decimals.*
- There is also a 'Spring Maths Activity Booklet' to complete. *Answer sheets are attached.*
- You can also complete some maths activities/games though the suggested websites: www.ttrockstars.com; www.prodigygame.com

English / Literacy

- Spelling Shed will be updated regularly with spellings to learn and also games and activities to complete.
- Please complete the SPaG (Spelling and Grammar) sheets provided – 'The Mystery of the Stolen Space Suit'. *Answer sheets are attached.*
- Your topic for this half term is 'Earth and Space'. Please complete a piece of writing associated with this topic. It could be a story, newspaper report, diary entry or a non-fiction text. The Literacy focus recently has been punctuating dialogue correctly; please try including some if possible.
- For example – Take a picture of the stars in the night sky. Could you write a piece of non-fiction writing detailing which different constellations you can see? Could you imagine you are an astronaut heading into space and write diary entries?

Topic Work / Other Work

- If you get to spend some time on a device or computer, try to use one of the websites (on the attached sheet) to help you with your learning.
- Please try to not spend too much time in front of computer or electronic device; so each school day, please try and complete one of the suggestions from the attached sheet.

Other Ideas

Find a recipe and follow the instructions to cook something (with an adult).	Draw/paint a picture when sitting from somewhere in the house – could be the garden from your window or the house from the garden.	Tidy your room or spend 20 minutes helping to tidy the house.
Everyday, do a task to help someone else; this could be your brother or sister or your mum or dad.	Spend 20 minutes in the morning and 20 minutes in the afternoon doing some physical exercise.	Do something each day to make someone else happy. For example, ring a relative or send them a letter. Make sure you ask your adult first.
Read your book in an unusual place.	Try and be as independent as you can – this will of course depend on your age!	Please complete some 'home learning' work each day.

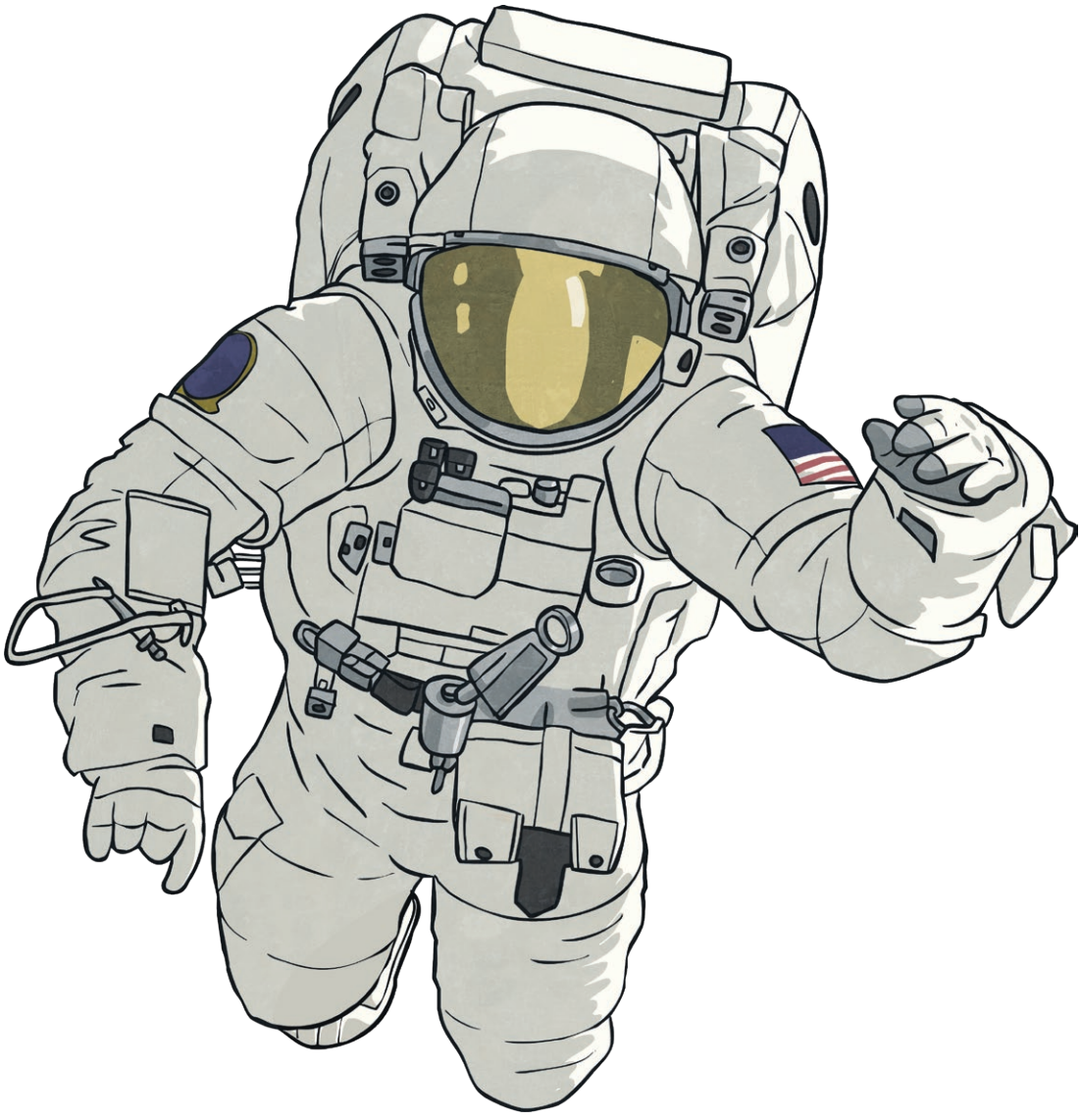
The Mystery of the Stolen Space Suit

A serious crime has been committed before the launch of the space shuttle to Mars. It is the night before the rocket is due to launch and everything has been prepared and packed. When the astronauts went in to do their final checks, one of them found that their space suit was missing and saw a remarkably similar one appear on a well-known auction site!

As the Detective Chief Inspector, it is your job to find out who has stolen the suit. Your officers have taken down the names and descriptions of the thirty astronauts who were training during the day.

There are also five clues that have been left. To crack the case, you will need to solve each clue and check the information against the list of names.

Good luck!



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The Astronaut Descriptions

Name	Gender	Nationality	Colour of Uniform	Wear Glasses?	Age
Astrid Asteroid	female	Russian	orange	Y	31
Aurora Astro	female	American	navy blue	Y	32
Apollo Atom	male	British	silver	N	24
Belinda Bright	female	American	navy blue	N	26
Comet Corona	male	Chinese	navy blue	N	35
Carina Cosmo	female	Chinese	silver	N	46
Cassiopeia Celeste	female	British	orange	N	29
Draco Day	male	British	silver	Y	36
Eos Eclipse	male	Russian	silver	Y	36
Esther Earthshine	female	American	navy blue	N	33
Halo Hypernova	male	British	silver	N	45
Helene Hubble	female	American	orange	Y	41
Juno Jupiter	female	British	orange	N	39
Leo Lightyear	male	Russian	navy blue	Y	38
Luna Lunar	female	British	navy blue	N	28
Lyra Light	female	British	navy blue	Y	26
Mars Molecule	male	Russian	orange	N	25
Mercury Meteor	male	Chinese	silver	Y	29
Miranda Moon	female	Chinese	orange	Y	39
Norma Nebula	female	American	silver	N	31
Nysa Neutrino	male	American	silver	N	41
Orion Orbit	male	Chinese	navy blue	N	45
Phoenix Pulsar	male	British	silver	Y	34
Portia Pluto	female	Russian	silver	N	35
Rhea Radiant	female	American	orange	N	33
Rocket Red	male	Russian	orange	N	38
Themis Totality	male	British	silver	N	37
Triton Twinkle	male	Chinese	navy blue	Y	29
Venus Van Allen	female	American	orange	N	45
Wolf White	male	British	silver	Y	29

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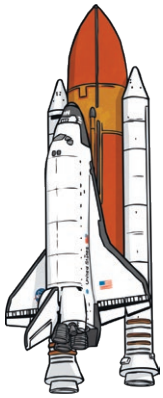
Clue 1

Space Sentences



These space sentences have been written with parenthesis. Check which ones have the correct punctuation (it could be commas, brackets or dashes).

If there are more ticks, then the culprit is male. If there are more crosses, then the culprit is female.

Space Sentence	✓ or X
The astronauts, who come from all over the world have prepared for this mission for months.	
"I have waited for this chance for years," said one of the astronauts – she was actually one of the older astronauts.	
Unfortunately, the space food (most of the astronauts dislike it) has disappeared from the storage cupboard.	
Mission control, which is located in Paris, has delayed the take-off.	
Tom Peek – one of the British astronauts has eaten all of the space food.	
Luckily, the Space Agency stored extra food in a safe place they kept this a secret.	
Finally, the spare food (mainly baked beans) has been packed into the rocket.	
The rocket, with its extra food stores, has taken off safely.	

There were _____ crosses and _____ ticks. There were more _____ so the culprit is male/female.

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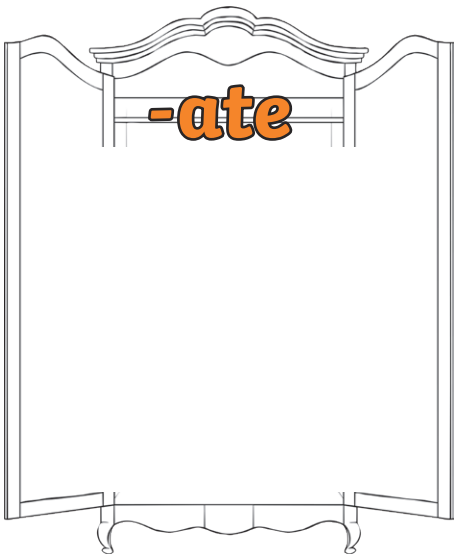
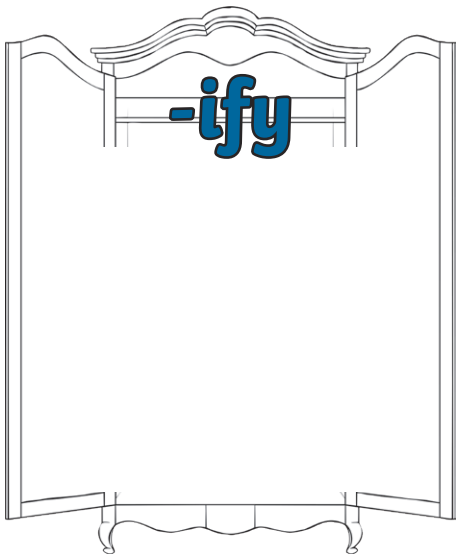
Clue 2

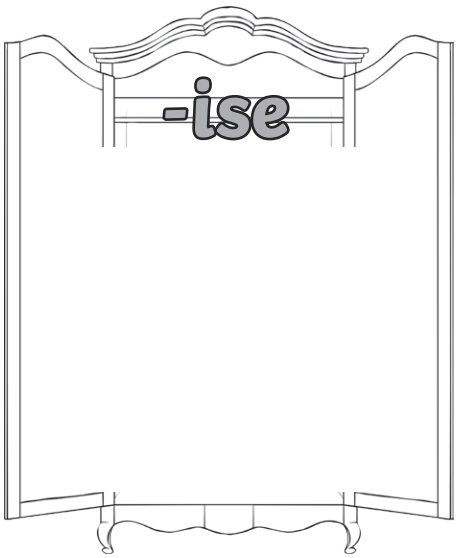
Space Suit Suffix Sort-Out!

With all the chaos this police investigation has caused, the uniforms have been muddled up! In order to help prepare for takeoff, you need to match the nouns and adjectives to the correct suffix to form a verb. Whichever suffix has the most matching words will reveal the colour of the culprit's uniform.

Remember: sometimes the root word will need to be altered before the suffix is added.







The suffix with the most root words is _____, so the culprit's uniform is _____.

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Clue 3

Super Space Synonyms

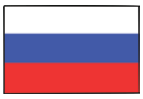
While they wait for the mystery to be solved, the astronauts have been thinking of exciting synonyms for different words. Whichever nationality of astronauts have thought of the most synonyms for their word will reveal the nationality of the culprit.

diminutive	**turbo**	**steady**	**zippy**
unhurried	**minuscule**	**speedy**	**nanoscopic**
colossal	**mountainous**	**swift**	**gargantuan**

big

small

slow



fast

The nationality of the astronauts who found the most synonyms was _____.

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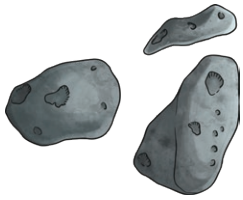
Clue 4

Avoid the Active Asteroids!

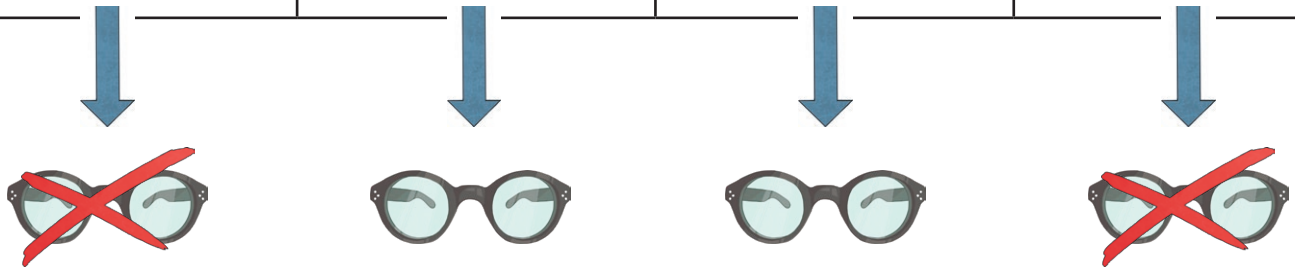


Find your way through this vortex of sentences by following the pathway of passive sentences (up, down, left and right) and avoiding the active asteroids.

At the end of your journey you will discover whether the culprit wears glasses or not.

Start

The space suit was taken by one of the astronauts.	The mission was delayed by the incident.	Rocket Red ate the space food.	The delayed mission devastated Orion Orbit.
The incident delayed the mission.	The culprit will be discovered by the Detective Chief Inspector.	One of the astronauts took the space suit.	Esther Earthshine lost the navy blue uniforms.
The Detective Chief Inspector will discover the culprit.	The space food was eaten by Rocket Red.	Carina Cosmo is the oldest astronaut on the mission.	Lyra Light spotted the space suit on a well-known auction site.
Apollo Atom is the youngest person to ever join astronaut training.	Orion Orbit was devastated by the delayed mission.	The navy blue uniforms were lost by Esther Earthshine.	Juno Jupiter has been on five missions in the past.
Norma Nebular packed the silver uniforms.	During the mission, the astronauts will receive regular messages from home.	The space suit was spotted on a well-known auction site by Lyra Light.	The rocket will orbit the planet for 40 days and nights.



The culprit wears/does not wear glasses.

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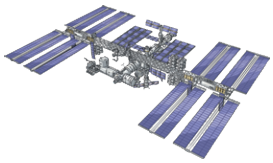
Clue 5

Hyphens Go into Hyperdrive



The astronauts have been writing about their time in space. They have tried to use hyphenated words but some have got confused. Check these sentences to find which ones are correct. If they are, give them a tick. If they are incorrect, give them a cross.

If you have more ticks, then the culprit is more than 30 years old. If you have more crosses, then the culprit is less than 30 years old.

Space Sentence	✓ or X
During my first mission, we saw thirty-one large asteroids one day.	
Take off is the most dangerous part of any space mission.	
It can be difficult not to be bad-tempered when spending a lot of time in space with the same people.	
On my last mission, I worked with the all knowing Belinda Bright.	
As we headed back home, I was hopeful that our reentry into the Earth's atmosphere would go smoothly.	
I was sent on a spacewalk to re-cover some exposed electrical wires.	
Before any mission, it is important to re-search the planet you will be visiting.	
On the space station, we re-cycle all of our water through a complicated system.	

There were _____ crosses and _____ ticks. There were more _____ so the culprit is less than/more than 30 years old.

Return to the list of suspects and work out who the culprit is!

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Clue 1: Space Sentences

Space Sentence	✓ or X
The astronauts, who come from all over the world have prepared for this mission for months.	X
"I have waited for this chance for years," said one of the astronauts – she was actually one of the older astronauts.	✓
Unfortunately, the space food (most of the astronauts dislike it) has disappeared from the storage cupboard.	✓
Mission control, which is located in Paris, has delayed the take-off.	✓
Tom Peek – one of the British astronauts has eaten all of the space food.	X
Luckily, the Space Agency stored extra food in a safe place they kept this a secret.	X
Finally, the spare food (mainly baked beans) has been packed into the rocket.	✓
The rocket, with its extra food stores, has taken off safely.	✓

Answer to clue 1: **There were 3 crosses and 5 ticks. There were more ticks so the culprit is male.**

Clue 2: Space Suit Suffix Sort-Out!

pollen (pollinate)

elastic (elasticate)

alien (alienate)

solid (solidify)

test (testify)

intense (intensify)

vandal (vandalise)

fertile (fertilise)

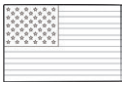
advert (advertise)

final (finalise)

Answer to clue 2: **The suffix with the most root words is ise, so the culprit's uniform is silver.**

Clue 3: Super Space Synonyms

big



colossal

mountainous

gargantuan

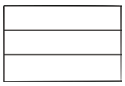
small

diminutive

minuscule

nanoscopic

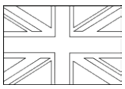
slow



unhurried

steady

fast



turbo

speedy

swift

zippy

Answer to clue 3: **The nationality of the astronauts who found the most synonyms was British.**

Clue 4: Avoid the Active Asteroids!

Start

The space suit was taken by one of the astronauts.	The mission was delayed by the incident.	Rocket Red ate the space food.	The delayed mission devastated Orion Orbit.
The incident delayed the mission.	The culprit will be discovered by the Detective Chief Inspector.	One of the astronauts took the space suit.	Esther Earthshine lost the navy blue uniforms.
The Detective Chief Inspector will discover the culprit.	The space food was eaten by Rocket Red.	Carina Cosmo is the oldest astronaut on the mission.	Lyra Light spotted the space suit on a well-known auction site.
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Norma Nebular packed the silver uniforms.	During the mission, the astronauts will receive regular messages from home.	The space suit was spotted on a well-known auction site by Lyra Light.	The rocket will orbit the planet for 40 days and nights.

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Clue 5: Hyphens Go into Hyperdrive

Space Sentence	✓ or X
During my first mission, we saw thirty-one large asteroids one day.	✓
Take off is the most dangerous part of any space mission.	X
It can be difficult not to be bad-tempered when spending a lot of time in space with the same people.	✓
On my last mission, I worked with the all knowing Belinda Bright.	X
As we headed back home, I was hopeful that our reentry into the Earth's atmosphere would go smoothly.	X
I was sent on a spacewalk to re-cover some exposed electrical wires.	✓
Before any mission, it is important to re-search the planet you will be visiting.	X
On the space station, we re-cycle all of our water through a complicated system.	X

Answer to clue 5: **There were 5 crosses and 3 ticks. There were more crosses so the culprit is less than 30 years old.**.

The culprit is Wolf White!

Websites to support parents at home during a school closure.

FREE online education resources

A non-exhaustive list that might help those affected by school closures. These websites have not been thoroughly checked through use and therefore it is each parent responsibility to ensure they are appropriate for their children's needs.

Khan Academy https://vww.khanacademy.org
Especially good for maths and computing for all ages but other subjects

Seneca https://www.senecalearning.com
For those revising at GCSE or A level. Tons of free revision content.

Blockiy https://blockly.games
Learn computer programming skills - fun and free.

Scratch
https://scratch.mit.edu/explore/projects/games/
Creative computer programming

National Geographic Kids
https://wwwnatgeokids.com/uk/
Activities and quizzes for younger kids.

Duolingö https://www.duoiiogo.com
Leam languages

Mystery Science https://mysteryscience.com
Free science lessons

The Kids Should See this https://thekidshouldseethis.com
Wide range of cool educational videos

Crest Awards
https://www.crestawards.org
Science awards you can complete from home

Prodigy Maths https://www.prodigygame.com
Is in U.S. grades, but good for UK Primary age

Big History Project https://www.bighistoryproject.com/home
Aimed at secondary age but might be interesting for older children.

Geography Games https://world-geography-games.com/world.html
Geography gaming!

Blue Peter Badges https://www.bbc.co.uk/cbbc/joinin/about-blue-peter-badges
If you have a stamp and a nearby post box.

The Imagination Tree https://theimaginationtree.com
Creative art and craft activities for the very youngest.

Toy Theater
https://toytheater.com/
Educational online games

DK Find out https://www.dkfindout.com/uk/?fbclid=IwAR2wJdpSJSelTf4do

Decimals up to 2 d.p.

1 What number is represented on the place value chart?

Ones	Tenths	Hundredths
	0.1 0.1	0.01 0.01 0.01
0	2	3

Complete the sentences.

There are [0] ones, [2] tenths and [3] hundredths.

The number is [0·23].

2 Represent these numbers on a place value chart.

Complete the sentences.

a) 0.56

There are [0] ones, [5] tenths and [6] hundredths.

b) 0.08

There are [0] ones, [0] tenths and [8] hundredths.

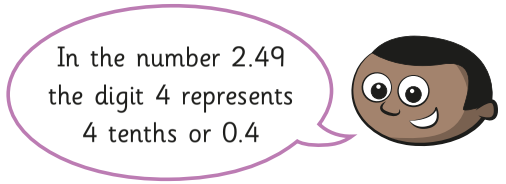
c) 1.48

There is [1] one, [4] tenths and [8] hundredths.

d) 2.07

There are [2] ones, [0] tenths and [7] hundredths.

3 Mo is thinking about tenths and hundredths.



What is the value of the digit 4 in each of these numbers?

a) 14.8 4 tens (40)

b) 13.74 4 hundredths (0·04)

c) 8.04 4 hundredths (0·04)

d) 42.03 4 tens (40)

e) 106.48 4 tenths (0·4)

f) 176.4 4 tenths (0·4)

4 **a)** Circle the number that has 5 in the tenths position.

53 **5.3** **0.53** **0.35**

b) Write three numbers that have 3 in the hundredths position.

0·53, 0·93, 17·03

5 Complete the calculations.

a) 0.64 = 0.6 + [0·04]

b) 0.53 = 0.5 + [0·03]

c) 0.3 + 0.05 = [0·35]

d) 0.06 + 0.8 = [0·86]

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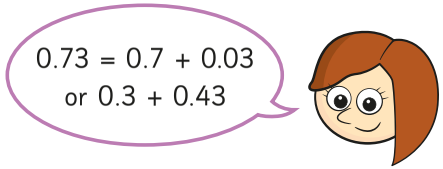
6 Rosie is finding different ways to partition 0.73



Ones	Tenths	Hundredths
0	7	3

In what other ways can 0.73 be partitioned?

List as many ways as you can below.

0·73 = 0·7 + 0·03

0·73 = 0·6 + 0·13

0·73 = 0·5 + 0·23

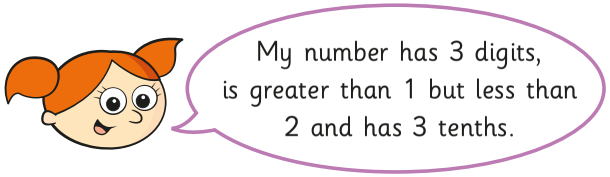
0·73 = 0·4 + 0·33

0·73 = 0·3 + 0·43

0·73 = 0·2 + 0·53

0·73 = 0·1 + 0·63

7 Alex is thinking of a number.



a) What number could Alex be thinking of?
Talk about it with a partner.

b) Write all the possible numbers Alex could be thinking of.

1·31 1·32 1·33 1·34 1·35

1·36 1·37 1·38 1·39

c) Write another clue that would mean Alex's number is 1.34

It has 4 hundredths

8 Match the words to the numerals.

5 ones, 6 tenths and 5 hundredths	0.56
5 tenths and 6 hundredths	60.05
5 ones, 5 tenths and 6 hundredths	5.56
6 tens and 5 hundredths	5.65

9 Annie has three digit cards.

0	2	5

Are the statements true or false? Explain your answers.

a) The largest number Annie can make is 5.02

False. 5·20 > 5·02

b) The smallest number Annie can make is 0.25

True. The only other number with 0 ones is 0·52 which is greater than 0·25

c) Annie can make six different numbers.

True 0·25 0·52 2·05 2·50 5·02 5·20

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Decimals up to 2 d.p.

1 What number is represented on the place value chart?

Ones	Tenths	Hundredths
	0.1 0.1	0.01 0.01 0.01
0	2	3

Complete the sentences.

There are ☐ ones, ☐ tenths and ☐ hundredths.

The number is ☐.

2 Represent these numbers on a place value chart.

Complete the sentences.

a) 0.56

There are ☐ ones, ☐ tenths and ☐ hundredths.

b) 0.08

There are ☐ ones, ☐ tenths and ☐ hundredths.

c) 1.48

There is ☐ one, ☐ tenths and ☐ hundredths.

d) 2.07

There are ☐ ones, ☐ tenths and ☐ hundredths.

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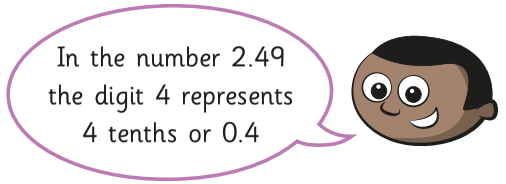

What is the value of the digit 4 in each of these numbers?

a) 14.8 _____ **d)** 42.03 _____

b) 13.74 _____ **e)** 106.48 _____

c) 8.04 _____ **f)** 176.4 _____

4 **a)** Circle the number that has 5 in the tenths position.

53 **5.3** **0.53** **0.35**

b) Write three numbers that have 3 in the hundredths position.

_____

5 Complete the calculations.

a) 0.64 = 0.6 + ☐

b) 0.53 = 0.5 + ☐

c) 0.3 + 0.05 = ☐

d) 0.06 + 0.8 = ☐

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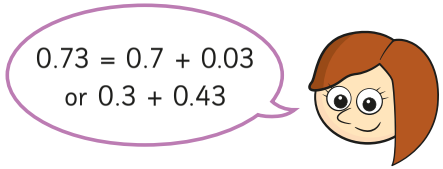
6 Rosie is finding different ways to partition 0.73

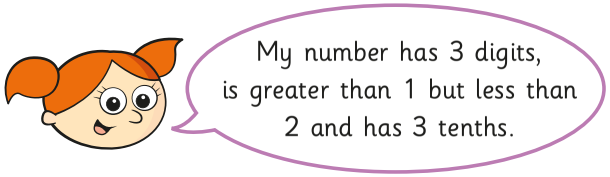


Ones	Tenths	Hundredths
0	7	3

In what other ways can 0.73 be partitioned?

List as many ways as you can below.

7 Alex is thinking of a number.



a) What number could Alex be thinking of?
Talk about it with a partner.

b) Write all the possible numbers Alex could be thinking of.

c) Write another clue that would mean Alex's number is 1.34

8 Match the words to the numerals.

5 ones, 6 tenths and 5 hundredths	0.56
5 tenths and 6 hundredths	60.05
5 ones, 5 tenths and 6 hundredths	5.56
6 tens and 5 hundredths	5.65

9 Annie has three digit cards.

Are the statements true or false? Explain your answers.

a) The largest number Annie can make is 5.02

b) The smallest number Annie can make is 0.25

c) Annie can make six different numbers.

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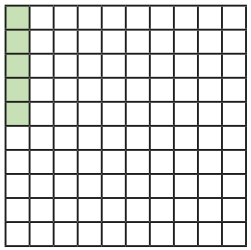
Decimals as fractions (1)

1 The hundred square represents 1 whole.

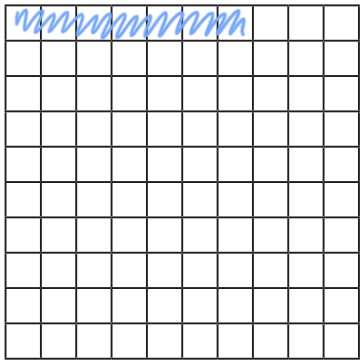


a) What fraction is represented by the shaded squares? $\frac{5}{100}$

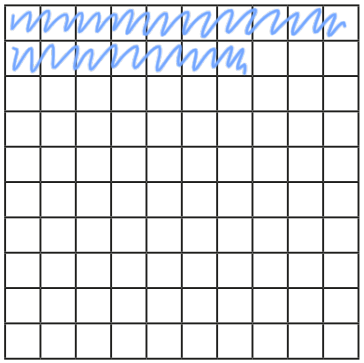
b) Convert the fraction to a decimal. 0·05

2 Colour the grid to represent the fraction and the decimal.

a) $\frac{7}{100}$



b) 0.17



3 What fractions and decimals do the counters represent?

a)

fraction = $\frac{4}{100}$ decimal = 0·04

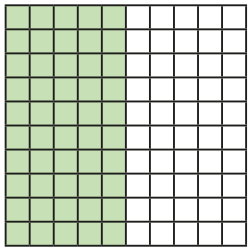
b)

fraction = $\frac{6}{100}$ decimal = 0·06

c)

fraction = $\frac{7}{10}$ decimal = 0·7

4 Amir has coloured part of a hundred square.



a) What fraction is represented by the coloured squares? $\frac{50}{100}$

b) Write this fraction in a different way. $\frac{5}{10}$

c) Write the fraction as a decimal. 0·5

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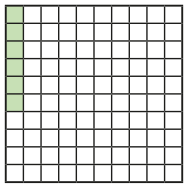
5 Huan says he has coloured 0.6 of the hundred square.



Explain the mistake that Huan has made.

He has coloured in 6 hundredths not 6 tenths.

6 Write <, > or = to complete the statements.

a) 0.4 (=) $\frac{40}{100}$

b) 0.02 (<) $\frac{20}{100}$

c) 0.6 (=) $\frac{6}{10}$

d) 0.5 (>) $\frac{5}{100}$

e) 0.88 (=) $\frac{88}{100}$

f) 0.88 (<) $\frac{89}{100}$

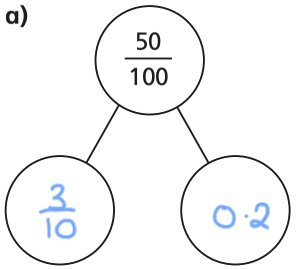
7 Complete the table.

Fifths	Tenths	Decimals
$\frac{1}{5}$	$\frac{5}{10}$	0.2
$\frac{2}{5}$	$\frac{4}{10}$	0.4
$\frac{3}{5}$	$\frac{6}{10}$	0.6
$\frac{4}{5}$	$\frac{8}{10}$	0.8

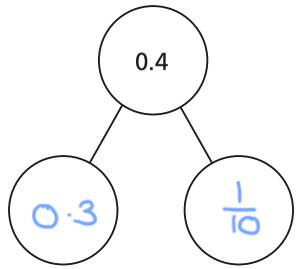
8 Complete the part-whole models using fractions or decimals.

Eg.

a)

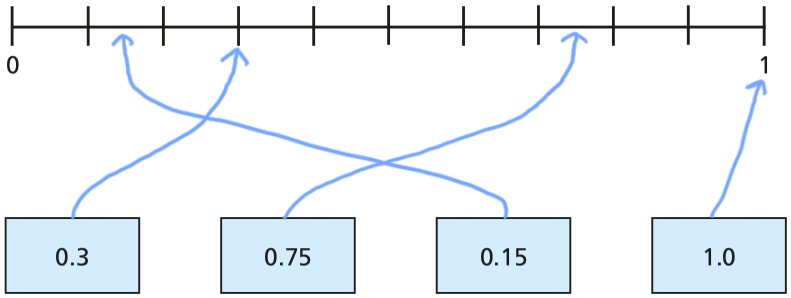


b)



Compare answers with a partner.

9 Here is a number line.



Draw arrows from the numbers to show their place on the line.

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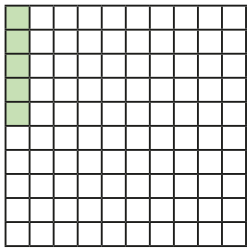
Decimals as fractions (1)

1 The hundred square represents 1 whole.

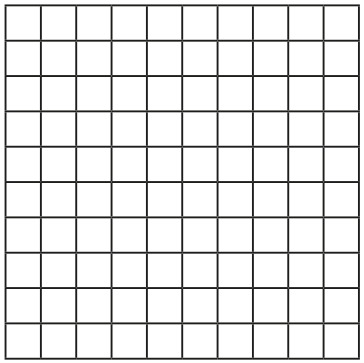


a) What fraction is represented by the shaded squares? ☐

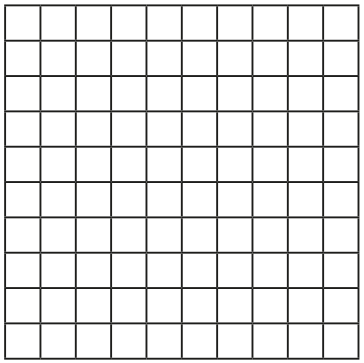
b) Convert the fraction to a decimal. ☐

2 Colour the grid to represent the fraction and the decimal.

a) $\frac{7}{100}$



b) 0.17



3 What fractions and decimals do the counters represent?

a)

fraction = ☐ decimal = ☐

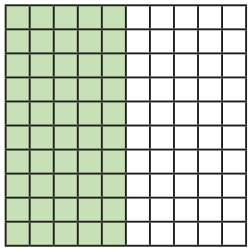
b)

fraction = ☐ decimal = ☐

c)

fraction = ☐ decimal = ☐

4 Amir has coloured part of a hundred square.



a) What fraction is represented by the coloured squares? $\frac{\square}{100}$

b) Write this fraction in a different way. ☐

c) Write the fraction as a decimal. ☐

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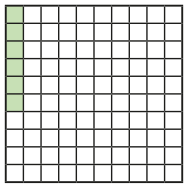
5 Huan says he has coloured 0.6 of the hundred square.



Explain the mistake that Huan has made.

_____

_____

6 Write <, > or = to complete the statements.

a) 0.4 ◯ $\frac{40}{100}$

b) 0.02 ◯ $\frac{20}{100}$

c) 0.6 ◯ $\frac{6}{10}$

d) 0.5 ◯ $\frac{5}{100}$

e) 0.88 ◯ $\frac{88}{100}$

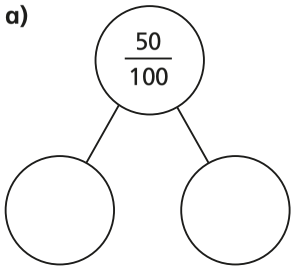
f) 0.88 ◯ $\frac{89}{100}$

7 Complete the table.

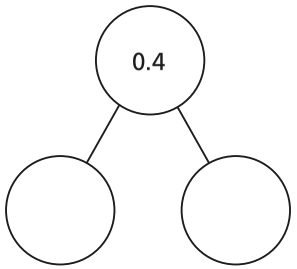
Fifths	Tenths	Decimals
$\frac{1}{5}$	$\frac{\square}{10}$	0.2
$\frac{\square}{5}$	$\frac{4}{10}$	
		0.6
$\frac{4}{5}$	$\frac{8}{\square}$	

8 Complete the part-whole models using fractions or decimals.

a)

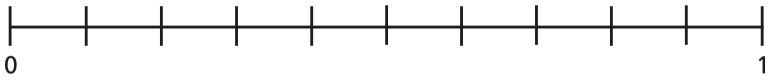


b)



Compare answers with a partner.

9 Here is a number line.



0.3	0.75	0.15	1.0

Draw arrows from the numbers to show their place on the line.

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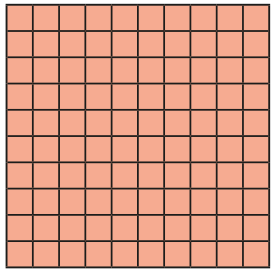
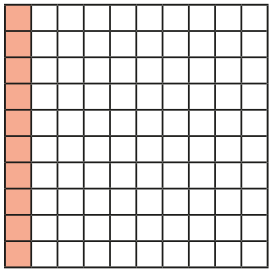
Decimals as fractions (2)

1 This grid represents 1

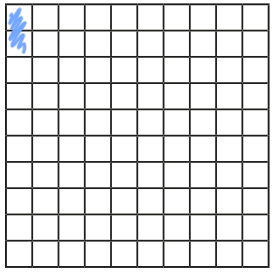


This grid represents 0.1 or $\frac{10}{100}$ or $\frac{1}{10}$

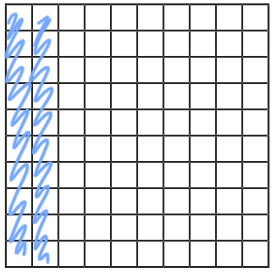


Colour the hundred squares to represent the fractions.

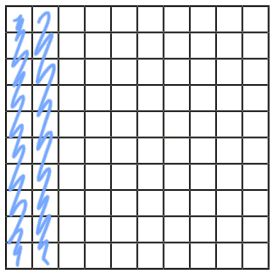
a) $\frac{2}{100}$



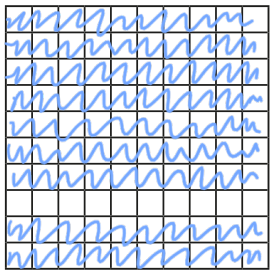
c) $\frac{20}{100}$



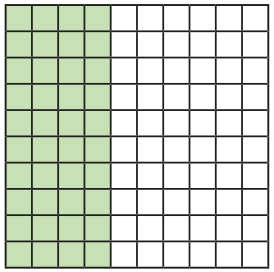
b) $\frac{2}{10}$



d) $\frac{90}{100}$



2 Complete the numbers to show how much of the square is shaded.



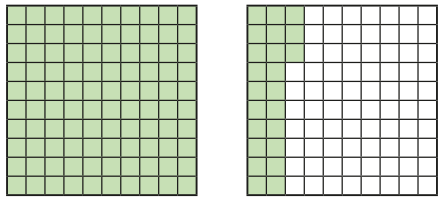
$\frac{40}{100}$

$\frac{4}{10}$

0.4

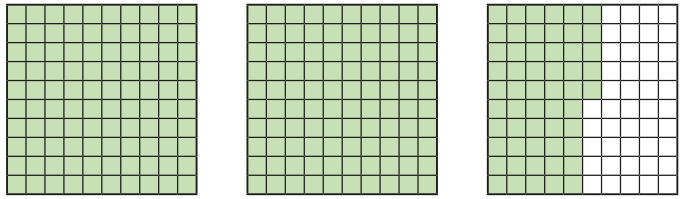
3 What fractions and decimals are represented?

a)



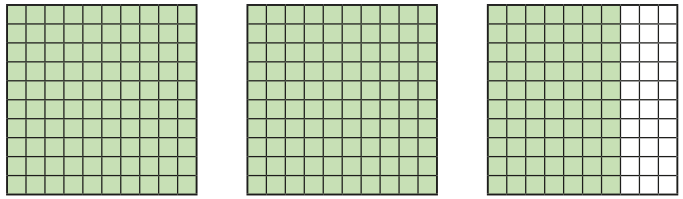
$1\frac{23}{100} = 1.23$

b)



$2\frac{55}{100} = 2.55$

c)



$2\frac{7}{10} = 2.7$

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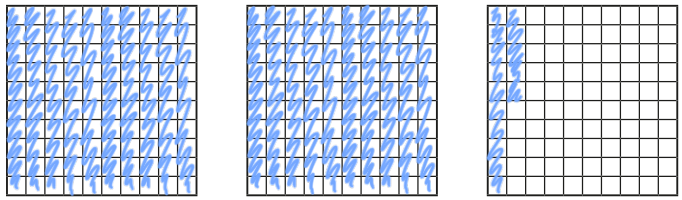
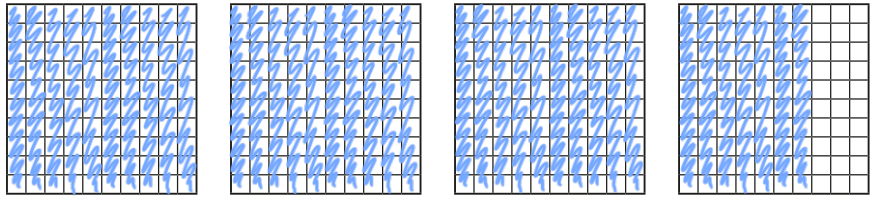
4

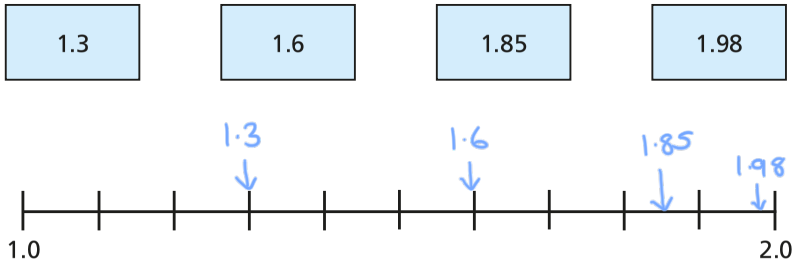
a) Represent 2.15



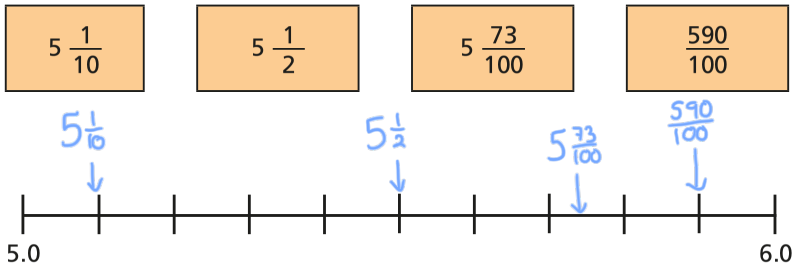
b) Represent $3\frac{7}{10}$



5 **a)** Label the number line with the decimals.



b) Label the number line with the fractions.



6 Complete the table.

Decimal	Decimal (expanded form)	Fraction	Fraction (expanded form)	In words
2.13	2 + 0.1 + 0.03	$2\frac{13}{100}$	$2 + \frac{1}{10} + \frac{3}{100}$	2 ones, 1 tenth and 3 hundredths
4.37	4 + 0.3 + 0.07	$4\frac{37}{100}$	$4 + \frac{3}{10} + \frac{7}{100}$	4 ones, 3 tenths and 7 hundredths
5.62	5 + 0.6 + 0.02	$5\frac{62}{100}$	$5 + \frac{6}{10} + \frac{2}{100}$	5 ones, 6 tenths and 2 hundredths
8.02	8 + 0.02	$8\frac{2}{100}$	$8 + \frac{2}{100}$	8 ones and 2 hundredths

7 Write the decimals as fractions.
Give your answer as a mixed number.

a) 32.6 = 32 $\frac{6}{10}$

b) 2.03 = 2 $\frac{3}{100}$

c) 13.08 = 13 $\frac{8}{100}$

d) 3.98 = 3 $\frac{98}{100}$

8 Use the digits 3, 4 and 5 to complete the decimal number.

e.g. 3 4 . 0 5

How many different numbers can you make?

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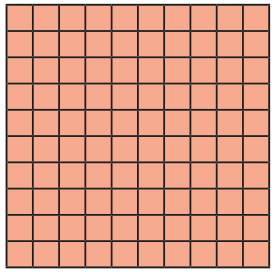
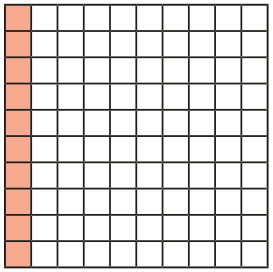
Decimals as fractions (2)

1 This grid represents 1

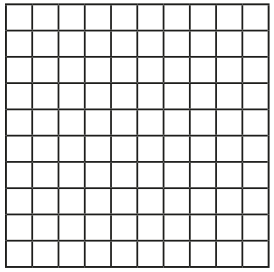


This grid represents 0.1 or $\frac{10}{100}$ or $\frac{1}{10}$

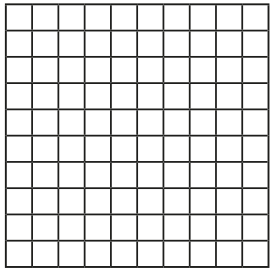


Colour the hundred squares to represent the fractions.

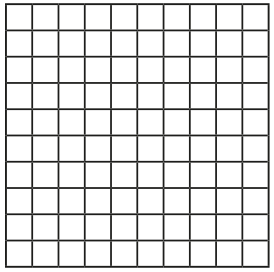
a) $\frac{2}{100}$



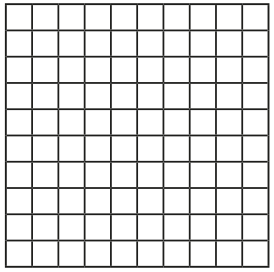
c) $\frac{20}{100}$



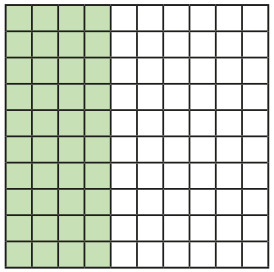
b) $\frac{2}{10}$



d) $\frac{90}{100}$



2 Complete the numbers to show how much of the square is shaded.



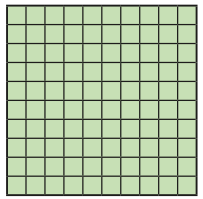
$\frac{\square}{100}$

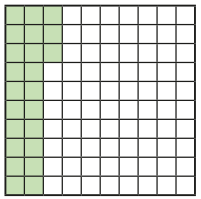
$\frac{\square}{10}$

0._

3 What fractions and decimals are represented?

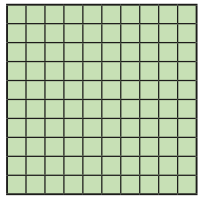
a)

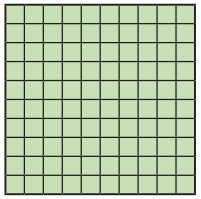


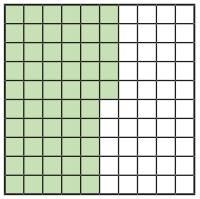


$1\frac{23}{100} = \square$

b)

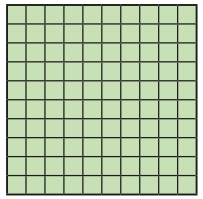


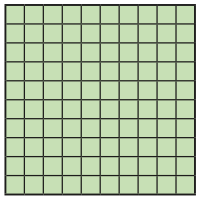


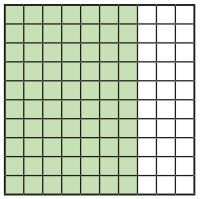


$\square \frac{\square}{100} = \square$

c)







$\square \frac{\square}{10} = \square$

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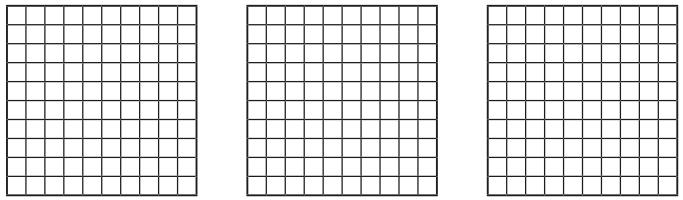
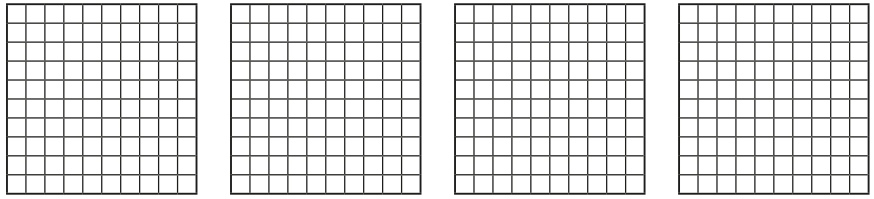
4

a) Represent 2.15

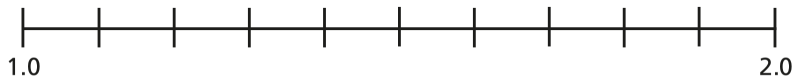


b) Represent $3\frac{7}{10}$



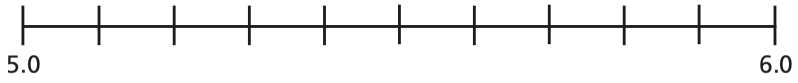
5 **a)** Label the number line with the decimals.

1.3	1.6	1.85	1.98



b) Label the number line with the fractions.

$5\frac{1}{10}$	$5\frac{1}{2}$	$5\frac{73}{100}$	$\frac{590}{100}$



6 Complete the table.

Decimal	Decimal (expanded form)	Fraction	Fraction (expanded form)	In words
2.13	2 + 0.1 + 0.03	$2\frac{13}{100}$	$2 + \frac{1}{10} + \frac{3}{100}$	2 ones, 1 tenth and 3 hundredths
4.37		$4\frac{\square}{100}$		
	5 + 0.6 + 0.02			
				8 ones and 2 hundredths

7 Write the decimals as fractions.
Give your answer as a mixed number.

a) 32.6 = $\square\ \frac{\square}{10}$

b) 2.03 = $\square\ \frac{\square}{100}$

c) 13.08 = $\square\ \frac{\square}{100}$

d) 3.98 = $\square\ \frac{\square}{100}$

8 Use the digits 3, 4 and 5 to complete the decimal number.

$\square\ \square\ .\ 0\ \square$

How many different numbers can you make?

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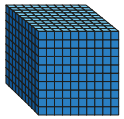
Understand thousandths

1 Tommy is using base 10 to represent decimals.

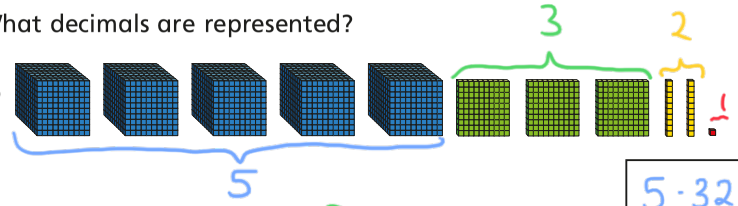
He uses  to represent 1 whole.

He uses to represent $\frac{1}{10}$ or 0.1

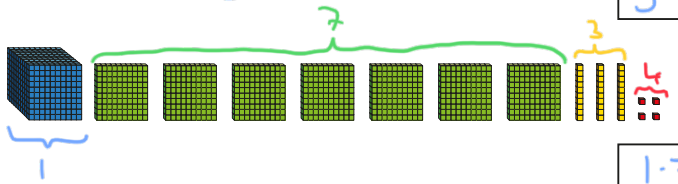
He uses to represent $\frac{1}{100}$ or 0.01

He uses to represent $\frac{1}{1000}$ or 0.01

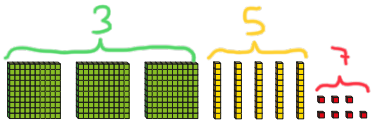
What decimals are represented?

a) 

5·321

b) 

1·734

c) 

0·357

2 **a)** Represent each number using base 10

0.512 1.352 2.003

b) Use your representations to help you complete the statements.

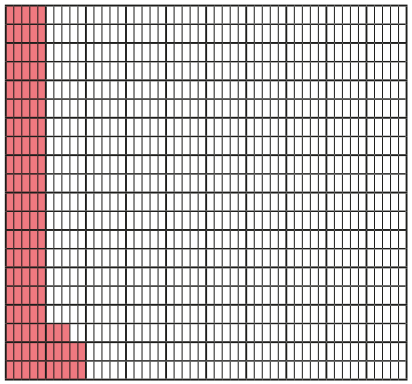
0.512 = 0.5 + 0.01 + 0·002

1.352 = 1 + 0·3 + 0·05 + 0·002

2.003 = 2 + 0·003

3 Here is a thousand square.

Part of the square has been coloured.



a) Why do you think it is called a thousand square?

It is split into one thousand equal parts.

b) What fraction of the square has been coloured?

$\frac{113}{1000}$

c) Write the fraction as a decimal.

0·113

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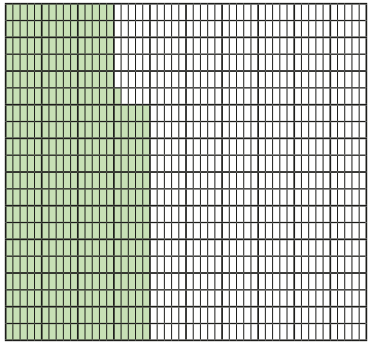
4 What fraction of each square has been shaded?

Write each number as a fraction and as a decimal.

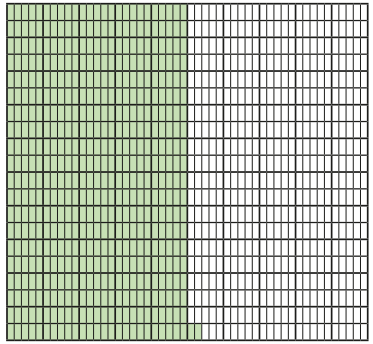
a)



fraction = $\frac{371}{1000}$

decimal = 0·371

b)

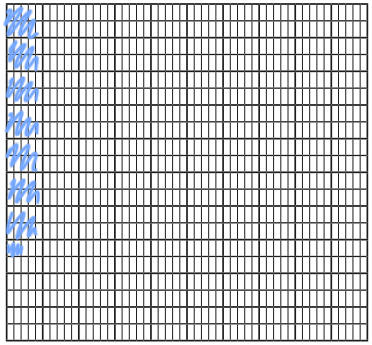


fraction = $\frac{502}{1000}$

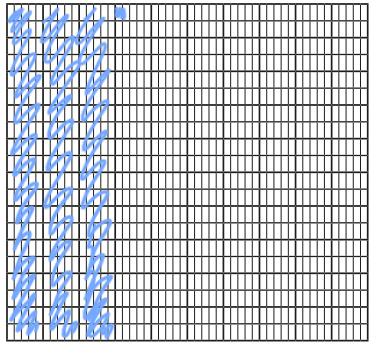
decimal = 0·502

5 Colour the grids to represent the fraction and decimal.

a) $\frac{73}{1000}$



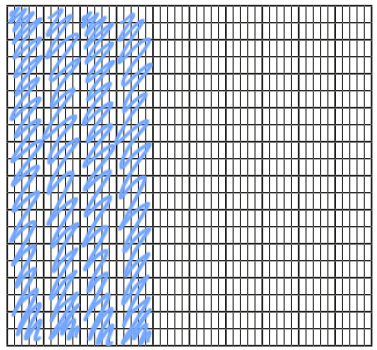
b) 0.302



6 Represent these numbers on a place value chart.

a) 1.372 **b)** 0.091 **c)** 3.542

7 Show that $\frac{400}{1000}$ is the same as 0.4



400 out of 1,000 equal parts = $\frac{400}{1000}$

4 out of 10 equal columns = $\frac{4}{10}$ = 0·4

8 Write the numbers represented by the place value charts.

a)

Ones	Tenths	Hundredths	Thousandths
1 1 1 1	0.1 0.1	0.01 0.01 0.01 0.01 0.01 0.01 0.01	0.001 0.001 0.001 0.001 0.001 0.001

4·276

b)

Ones	Tenths	Hundredths	Thousandths
	0.1 0.1 0.1 0.1 0.1		0.001 0.001 0.001 0.001

0·504

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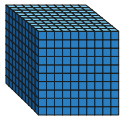
Understand thousandths

1 Tommy is using base 10 to represent decimals.

He uses  to represent 1 whole.

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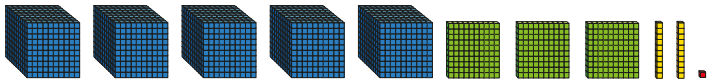
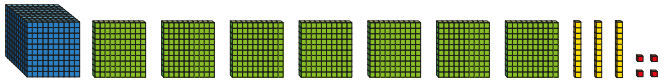
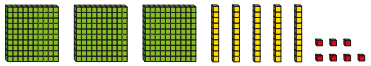
He uses to represent $\frac{1}{100}$ or 0.01

He uses to represent $\frac{1}{1000}$ or 0.01

What decimals are represented?

a) 

b) 

c) 

2 **a)** Represent each number using base 10

0.512 1.352 2.003

b) Use your representations to help you complete the statements.

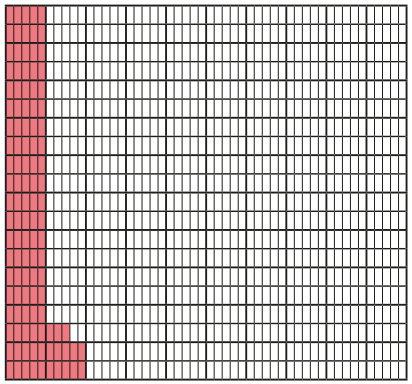
0.512 = 0.5 + 0.01 + ☐

1.352 = 1 + ☐ + ☐ + ☐

2.003 = _____

3 Here is a thousand square.

Part of the square has been coloured.



a) Why do you think it is called a thousand square?

_____

b) What fraction of the square has been coloured? $\frac{\square}{1000}$

c) Write the fraction as a decimal. ☐

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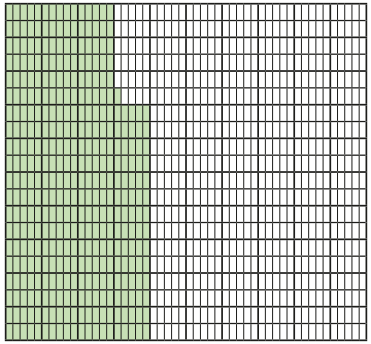
4 What fraction of each square has been shaded?

Write each number as a fraction and as a decimal.

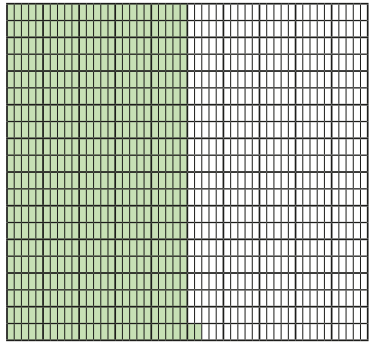
a)



fraction = ☐

decimal = ☐

b)

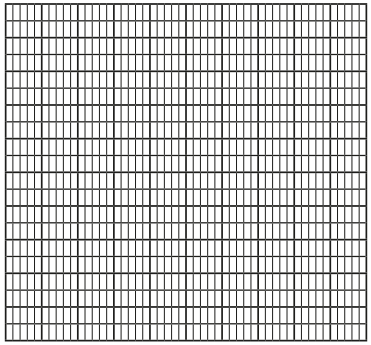


fraction = ☐

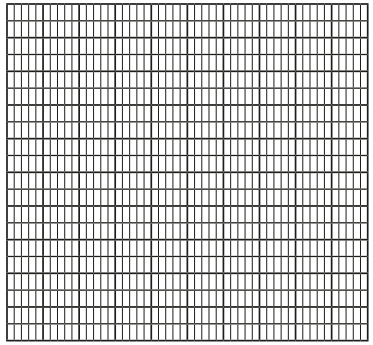
decimal = ☐

5 Colour the grids to represent the fraction and decimal.

a) $\frac{73}{1000}$



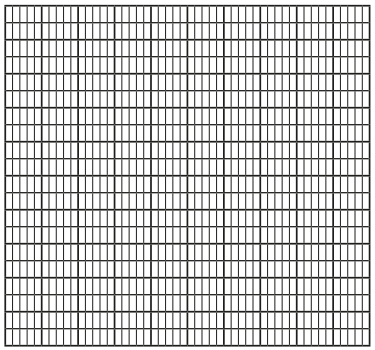
b) 0.302



6 Represent these numbers on a place value chart.

a) 1.372 **b)** 0.091 **c)** 3.542

7 Show that $\frac{400}{1000}$ is the same as 0.4



8 Write the numbers represented by the place value charts.

a)

Ones	Tenths	Hundredths	Thousandths
1 1 1 1	0.1 0.1	0.01 0.01 0.01 0.01 0.01 0.01 0.01	0.001 0.001 0.001 0.001 0.001 0.001

☐

b)

Ones	Tenths	Hundredths	Thousandths
	0.1 0.1 0.1 0.1 0.1		0.001 0.001 0.001 0.001

☐

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Thousandths as decimals

1 Represent the numbers on a place value chart.

Write the decimal.

a) 5 ones, 7 tenths, 0 hundredths and 2 thousandths

5·702

b) 0 ones, 6 tenths, 2 hundredths and 9 thousandths

0·629

c) 7 ones, 0 tenths, 1 hundredth and 3 thousandths

7·013

d) 5 ones, 6 tenths, 7 hundredths and 0 thousandths

5·67

e) What would these numbers be as fractions?

Talk about it with a partner.

2 Write the mixed numbers as decimals.

a) $4\frac{514}{1000}$ = 4·514

b) $6\frac{325}{1000}$ = 6·325

c) $2\frac{250}{1000}$ = 2·25

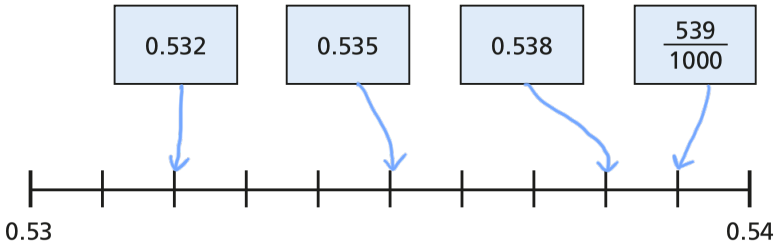
d) $1\frac{50}{1000}$ = 1·05

e) $4\frac{5}{1000}$ = 4·005

f) $\frac{2}{1000}$ = 0·002

3 Mo is placing decimal numbers on a number line.

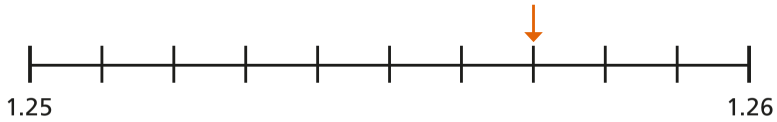
Draw an arrow from each number to its position on the number line.



4 What number is the arrow pointing to?

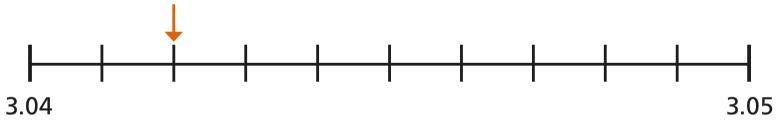
Write each number as a decimal and as a fraction.

a)



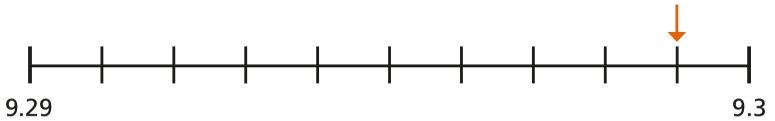
decimal = 1·257 fraction = $\frac{1257}{1000}$

b)



decimal = 3·042 fraction = $\frac{3042}{1000}$

c)



decimal = 9·299 fraction = $\frac{9299}{1000}$

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5 Complete the table to continue the pattern.

$\frac{57}{1000}$	$\frac{58}{1000}$	$\frac{59}{1000}$	$\frac{60}{1000}$	$\frac{61}{1000}$	$\frac{62}{1000}$	$\frac{63}{1000}$	$\frac{64}{1000}$
0.057	0.058	0.059	0.06	0.061	0.062	0.063	0.064

6 Write a decimal to complete the statement.

a) $\frac{7}{10} + \frac{3}{100} + \frac{9}{1000} =$ 0.739

b) $\frac{9}{10} + \frac{7}{100} + \frac{1}{1000} =$ 0.971

c) $\frac{7}{100} + \frac{9}{10} + \frac{1}{1000} =$ 0.971

d) $\frac{2}{10} + \frac{7}{1000} =$ 0.207

e) $\frac{6}{100} + \frac{3}{1000} =$ 0.063

7 Eva has 12 plain counters.

She makes numbers using the place value chart.

1	$\frac{1}{10}$	$\frac{1}{100}$	$\frac{1}{1000}$

a) List five numbers that Eva could make.

e.g. 5.304 6.024 10.011 3.441 1.551

b) What is the greatest and smallest number she can make with all 12 counters?

greatest 12 smallest 0.012

8 Whitney is representing 0.536

$$\frac{50}{100} + \frac{18}{1000} + \frac{18}{1000}$$

a) Is Whitney correct? yes

Explain your answer.

b) Partition Whitney's number another way.

e.g. $0.536 = \frac{1}{2} + \frac{3}{100} + \frac{6}{1000}$

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Thousandths as decimals

1 Represent the numbers on a place value chart.

Write the decimal.

a) 5 ones, 7 tenths, 0 hundredths and 2 thousandths

b) 0 ones, 6 tenths, 2 hundredths and 9 thousandths

c) 7 ones, 0 tenths, 1 hundredth and 3 thousandths

d) 5 ones, 6 tenths, 7 hundredths and 0 thousandths

e) What would these numbers be as fractions?

Talk about it with a partner.

2 Write the mixed numbers as decimals.

a) $4\frac{514}{1000} =$ ☐

b) $6\frac{325}{1000} =$ ☐

c) $2\frac{250}{1000} =$ ☐

d) $1\frac{50}{1000} =$ ☐

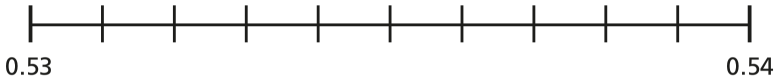
e) $4\frac{5}{1000} =$ ☐

f) $\frac{2}{1000} =$ ☐

3 Mo is placing decimal numbers on a number line.

Draw an arrow from each number to its position on the number line.

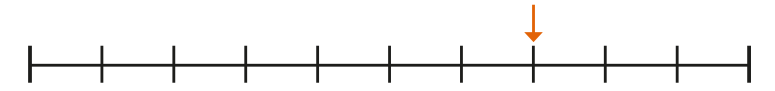
0.532	0.535	0.538	$\frac{539}{1000}$



4 What number is the arrow pointing to?

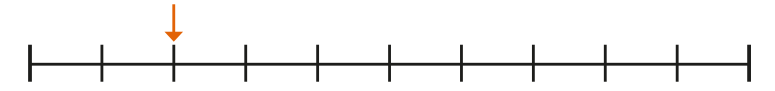
Write each number as a decimal and as a fraction.

a)



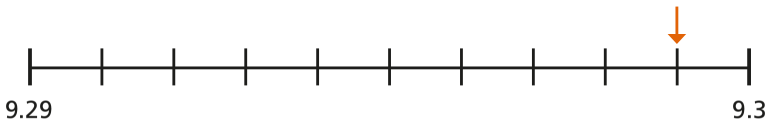
decimal = ☐ fraction = ☐/1000

b)



decimal = ☐ fraction = ☐/1000

c)



decimal = ☐ fraction = ☐/1000

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5 Complete the table to continue the pattern.

$\frac{57}{1000}$	$\frac{58}{1000}$	$\frac{\square}{1000}$	$\frac{\square}{1000}$				
0.057							

6 Write a decimal to complete the statement.

a) $\frac{7}{10} + \frac{3}{100} + \frac{9}{1000} = \square$

b) $\frac{9}{10} + \frac{7}{100} + \frac{1}{1000} = \square$

c) $\frac{7}{100} + \frac{9}{10} + \frac{1}{1000} = \square$

d) $\frac{2}{10} + \frac{7}{1000} = \square$

e) $\frac{6}{100} + \frac{3}{1000} = \square$

7 Eva has 12 plain counters.

She makes numbers using the place value chart.

1	$\frac{1}{10}$	$\frac{1}{100}$	$\frac{1}{1000}$

a) List five numbers that Eva could make.

b) What is the greatest and smallest number she can make with all 12 counters?

greatest ☐ smallest ☐

8 Whitney is representing 0.536

$$\frac{50}{100} + \frac{18}{1000} + \frac{18}{1000}$$

a) Is Whitney correct? _____

Explain your answer.

b) Partition Whitney's number another way.

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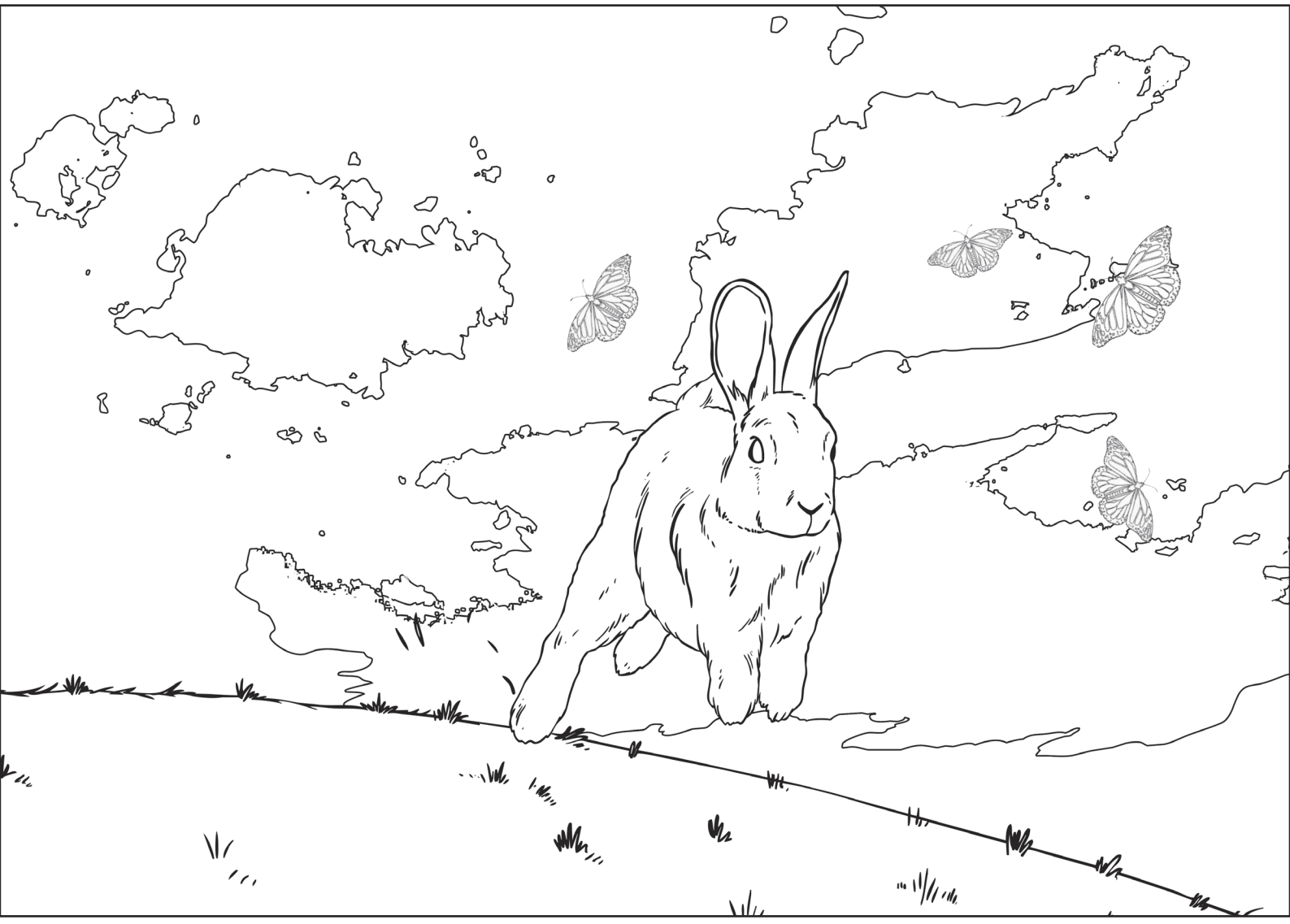
Spring

Maths Activity Booklet Answers



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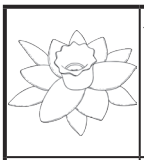
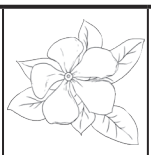
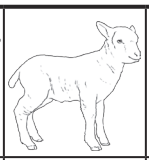
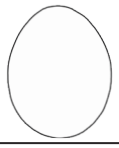
Compare Code Breaker

									
3	1	6	5	4	0	8	7	2	9

Use the code breaker to compare these decimal fractions.

0	•	1	6	4	<	0	•	1	7	2
0	•	0	8	7	>	0	•	0	8	5
0	•	1	0	1	>	0	•	0	9	4
1	•	0	0	5	<	1	•	0	1	
0	•	8	6	5	<	1	•	0	2	
		4	1	•	1	>	4	1	•	0	6
0	•	0	1	6	<	0	•	0	2	
0	•	0	3	8	<	0	•	1	3	

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Calculations Code Breaker

Reveal a spring-themed joke by writing the percentage equivalent to the following fractions and decimal fractions. Use the grid to locate the letter that matches each answer. The joke will read across the tables.

A	B	C	D	E	F	G	H	I	J	K	L	M
6%	15%	21%	5%	13%	24%	18%	7%	12%	1%	25%	19%	9%

N	O	P	Q	R	S	T	U	V	W	X	Y	Z
22%	16%	11%	26%	2%	17%	20%	3%	10%	8%	14%	23%	4%

	0.08	$\frac{7}{100}$	0.06	$\frac{1}{5}$
Answer	8%	7%	6%	20%
Letter	W	H	A	T

$\frac{18}{100}$	0.16	$\frac{13}{100}$	0.17
18%	16%	13%	17%
G	O	E	S

$\frac{3}{100}$	0.11
3%	11%
U	P

	$\frac{2}{25}$	0.07	$\frac{13}{100}$	0.22
Answer	8%	7%	13%	22%
Letter	W	H	E	N

$\frac{2}{10}$	0.07	$\frac{13}{100}$
20%	7%	13%
T	H	E

0.02	$\frac{6}{100}$	0.12	$\frac{22}{100}$
2%	6%	12%	22%
R	A	I	N

	0.21	$\frac{4}{25}$	0.09	$\frac{13}{100}$	0.17
Answer	21%	16%	9%	13%	17%
Letter	C	O	M	E	S

$\frac{5}{100}$	0.16	$\frac{8}{100}$	0.22	
5%	16%	8%	22%	
D	O	W	N	?

	0.06	$\frac{22}{100}$
Answer	6%	22%
Letter	A	N

0.03	$\frac{9}{100}$	0.15	$\frac{2}{100}$	0.13	$\frac{19}{100}$	0.19	$\frac{6}{100}$	
3%	9%	15%	2%	13%	19%	19%	6%	
U	M	B	R	E	L	L	A	.

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Colour by Calculation

Round each number to the nearest tenth. Use the key to colour the spring-themed picture.

Pink:	Orange:	Yellow:	Green:	Light Purple:	Blue:
0.6	0.1	0.2	0.3	0.4	0.5

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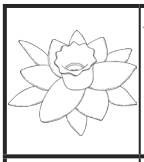
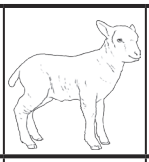
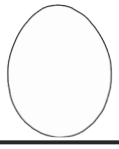
Number Cross

									
3	1	6	5	4	0	8	7	2	9

Use the spring-themed code breaker to discover the clues to the number cross. Use written methods of multiplication to solve the number cross.

1 1	2 7	.8	3 6		4 5		5 3	0	.9	6 2		7 7
	.3		.0		.6		4			8 4	5	6
	9 9	4	0	10 2		11 6	0	.9	12 6			.4
			13 3	4	9		5		5		14 7	
15 9				.8					16 3	.0	6	7
.0			17 3	2	0	18 1					.4	
2			4			.7		19 8		20 6	1	21 8
22 8	23 7	.5	6		24 6	8	.0	9		2		.0
	4					3		25 4	.5	6		0
	26 5	.6	0	1				.3		27 7	8	2

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Number Cross: Across

1.	1	7	8	6	×	1	0	
5.	3	0	9	2	÷	1	0	0
8.		4	5	6	×	1	0	0
9.	9	4	0	2	×	1	0	0
11.	6	0	9	6	÷	1	0	
13.		3	4	9	×	1	0	
16.	3	0	6	7	÷	1	0	0
17.	3	2	0	1	×	1	0	0
20.		6	1	8	×	1	0	
22.	8	7	5	6	÷	1	0	0
24.	6	8	0	9	×	1	0	
25.		4	5	6	÷	1	0	0
26.	5	6	0	1	÷	1	0	0
27.		7	8	2	×	1	0	

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Number Cross: Down

2.		7	3	9	÷	1	0	0	
3.	6	0	0	3	÷	1	0	0	0
4.	0	0	5	6	×	1	0	0	
5.	3	4	0	5	×	1	0	0	0
6.	0	0	2	4	×	1	0	0	0
7.	7	6	4	0	÷	1	0	0	
10.	2	4	8	2	×	1	0		
12.		6	5	3	×	1	0	0	
14.	7	6	4	1	÷	1	0	0	
15.	9	0	2	8	÷	1	0	0	0
17.		3	4	6	×	1	0	0	
18.	1	7	8	3	÷	1	0	0	0
19.	8	9	4	3	×	1	0	0	
20.	6	2	6	7	×	1	0	0	0
21.	8	0	0	2	÷	1	0	0	0
23.		7	4	5	×	1	0	0	

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Maths Mosaic

Calculate each answer and find the colour to shade each square.

Grey:	Pink:	Blue:	Black:	White:
< 1	1 - 1.99	2 - 2.99	3 - 3.99	4 - 4.99

5.8 – 3.23	1.78 + 0.8	3.4 – 0.57	0.7 + 0.24	8.1 – 7.35	5.67 – 3.2	0.18 + 0.71	1.65 – 0.9	7.66 – 6.9	0.2 + 2.47
4.5 – 2.14	7.5 – 5.03	0.98 + 1.2	5.3 – 3.78	4.5 – 3.6	4.87 – 2.3	0.1 + 0.78	7.3 – 6.12	0.45 + 0.1	5.4 – 3.12
1.2 + 1.34	6.7 – 4.5	0.56 + 1.6	3.76 – 2.3	0.56 + 0.4	0.76 + 1.9	0.24 + 0.7	2.76 – 0.9	0.39 + 0.3	2.56 + 0.2
9.2 – 6.89	1.4 + 1.34	3.4 – 0.87	1.23 + 0.6	6.95 – 6.3	2.1 + 0.45	8.2 – 7.89	7.46 – 6.3	7.12 – 6.7	5.8 – 3.43
3.46 – 0.86	1.67 + 0.9	0.23 + 0.4	0.12 + 0.5	9.45 – 8.8	0.12 + 0.7	6.5 – 5.87	0.4 + 0.57	3.98 – 3.7	1.45 + 1.2
3.7 – 0.98	3.4 + 1.39	1.56 + 1.7	4.35 – 4.2	0.37 + 0.3	9.4 – 5.21	7.02 – 3.4	5.1 – 4.67	0.23 + 0.6	2.1 + 0.67
3.6 – 0.76	2.76 + 1.6	7.8 – 3.45	9.1 – 8.56	6.12 – 5.4	6.07 – 1.4	2.76 + 1.6	1.56 – 0.8	7.57 – 6.9	5.6 – 3.16
4.5 – 3.88	0.54 + 0.3	3.2 – 2.87	0.56 + 0.2	7.5 – 6.89	2.3 – 1.87	0.23 + 0.6	0.87 + 0.1	6.35 – 5.7	2.4 + 0.23
7.12 – 6.4	0.76 + 0.8	0.56 + 0.9	3.7 – 2.09	0.34 + 0.5	8.9 – 7.93	0.06 + 0.4	3.4 – 2.67	0.4 + 0.38	8.7 – 6.23
0.37 + 0.6	4.5 – 4.07	2.56 – 1.2	3.4 – 3.03	5.05 – 4.1	7.6 – 7.23	0.1 + 0.89	4.6 – 4.08	0.23 + 0.6	0.01 + 1.99

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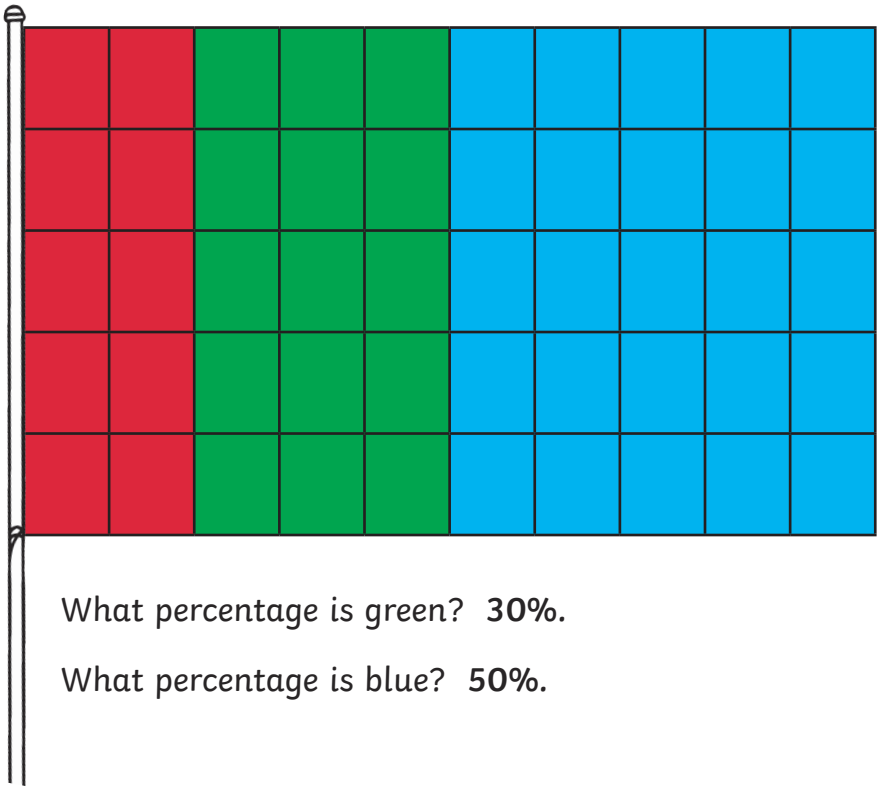
Spring Flags

These flags have been designed on centimetre square grids.

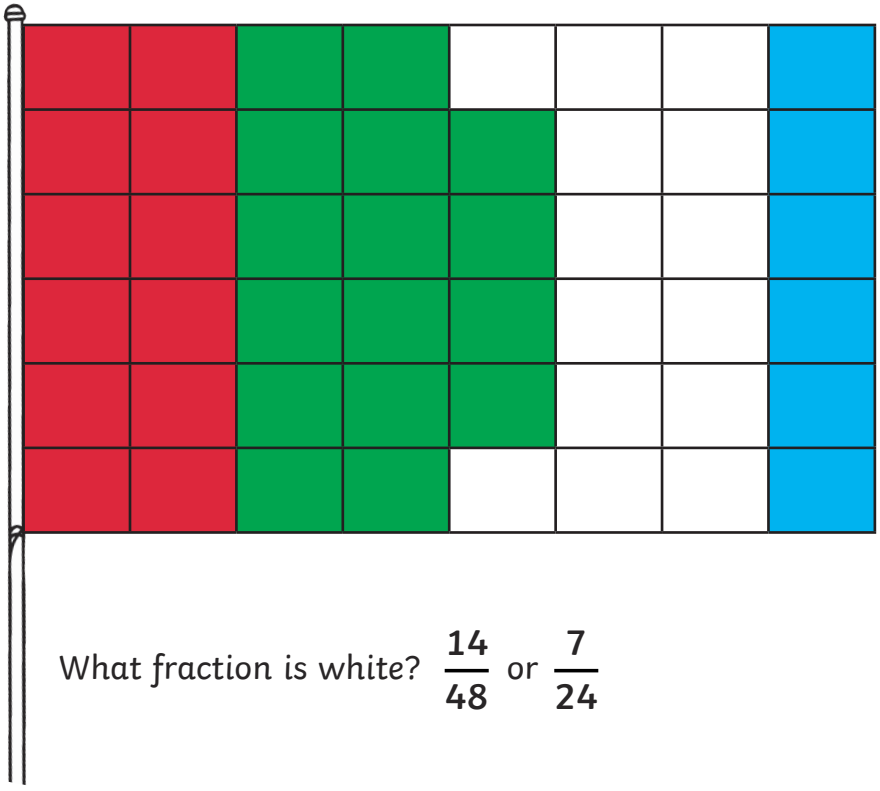
Colour the flags according to the fractions:



What percentage is green? **30%.**

What percentage is blue? **50%.**

Red = $\frac{1}{5}$	10
Green = $\frac{3}{10}$	15
Blue = $\frac{1}{2}$	25

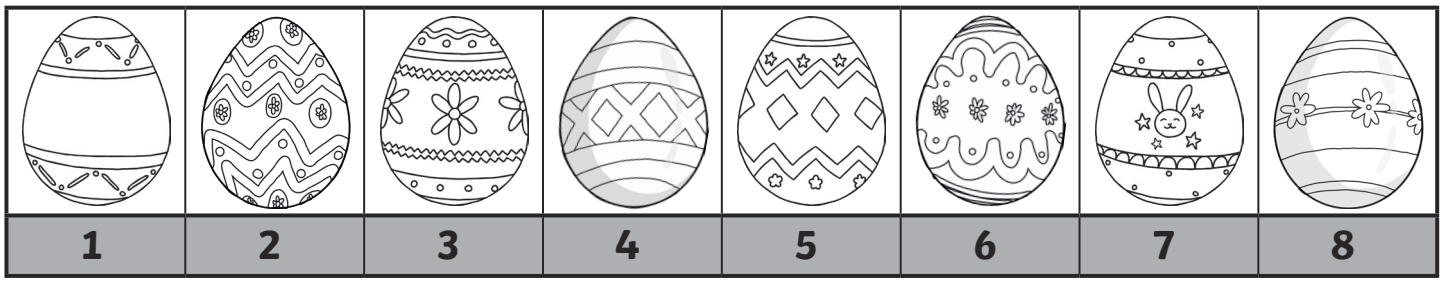


What fraction is white? $\frac{14}{48}$ or $\frac{7}{24}$

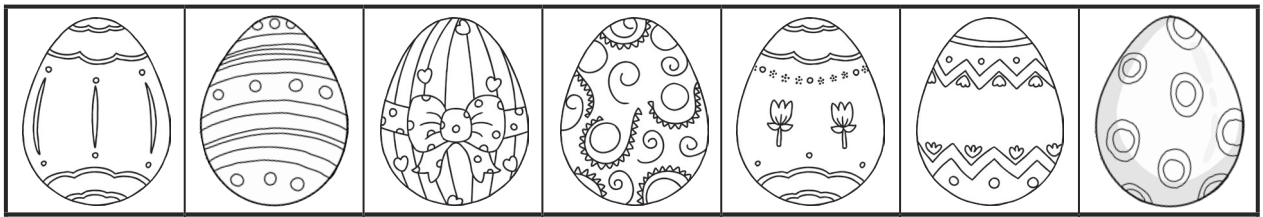
Red = $\frac{1}{4}$	12
Green = $\frac{1}{3}$	16
Blue = $\frac{1}{8}$	6

Order Egg Fractions

Here are some patterned eggs each representing a number:

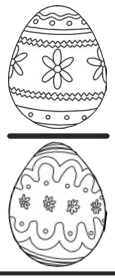
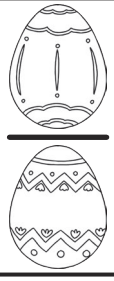
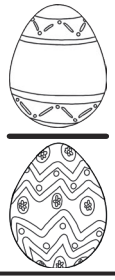
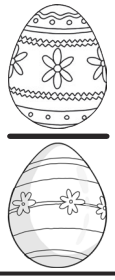
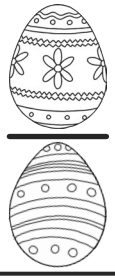
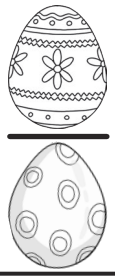
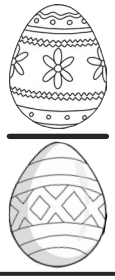
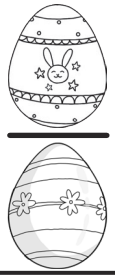


1	2	3	4	5	6	7	8



9	10	11	12	15	16	20

Use the code to find the 3 fractions in each line, and order from smallest to greatest.

			$\frac{1}{3}, \frac{5}{12}, \frac{3}{6}$
			$\frac{3}{8}, \frac{1}{2}, \frac{9}{16}$
			$\frac{3}{20}, \frac{1}{5}, \frac{3}{10}$
			$\frac{3}{4}, \frac{7}{8}, \frac{15}{16}$

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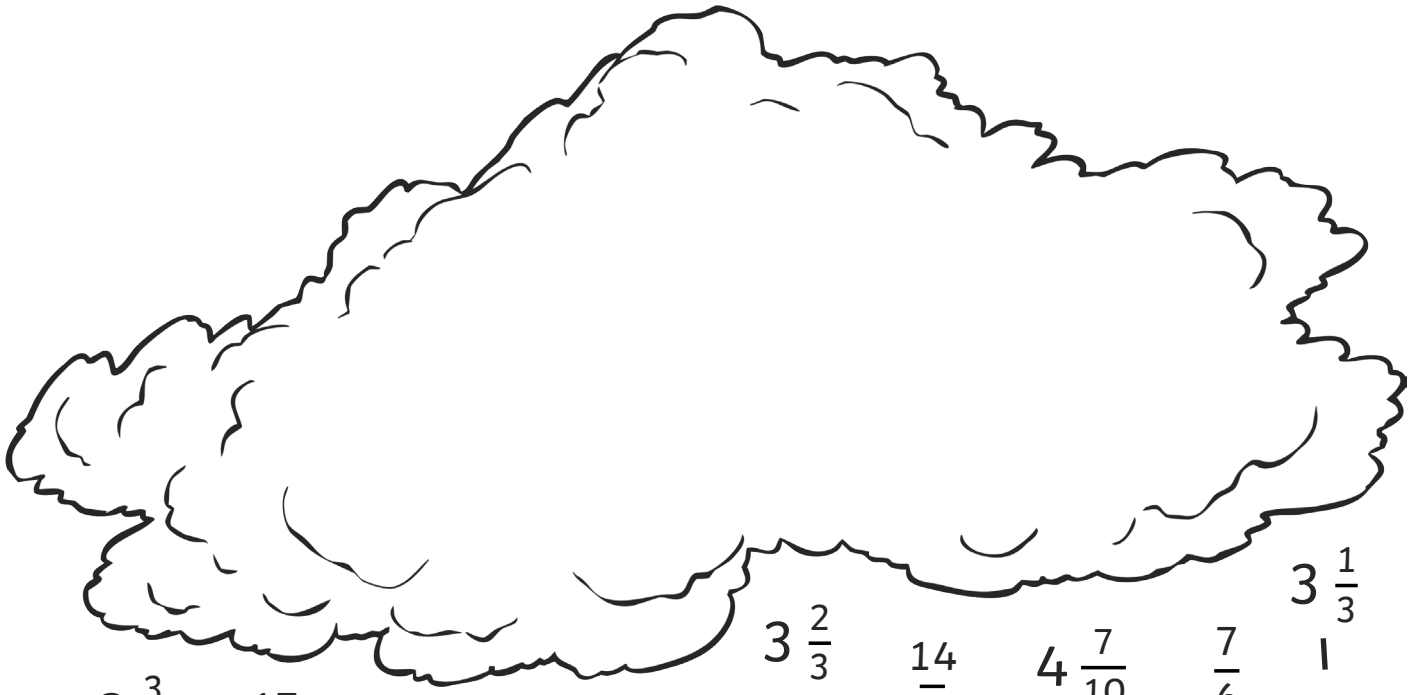
Spring Improper and Mixed Fractions

Match the improper and proper fractions to draw a spring picture.



$3\frac{3}{4}$ $\frac{17}{6}$ $1\frac{7}{8}$ $\frac{13}{5}$ $4\frac{1}{2}$ $3\frac{2}{3}$ $\frac{14}{5}$ $4\frac{7}{10}$ $\frac{7}{6}$ $3\frac{1}{3}$

$3\frac{1}{4}$ $2\frac{1}{6}$ $\frac{11}{8}$ $\frac{9}{2}$ $\frac{11}{3}$ $4\frac{9}{10}$ $\frac{47}{10}$ $1\frac{5}{8}$ $\frac{15}{6}$ $\frac{10}{3}$

$\frac{15}{4}$ $2\frac{5}{6}$ $\frac{15}{8}$ $2\frac{3}{5}$ $2\frac{4}{5}$ $1\frac{5}{6}$ $\frac{12}{3}$ $1\frac{1}{6}$

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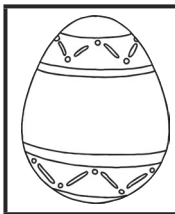
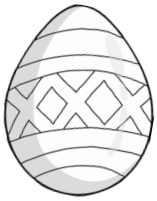
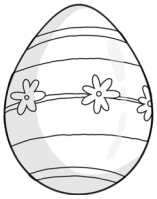
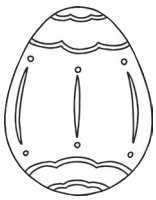
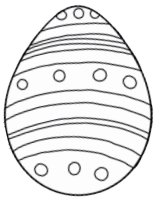
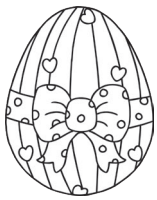
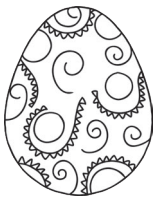
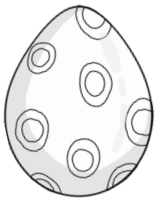
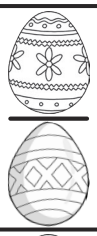
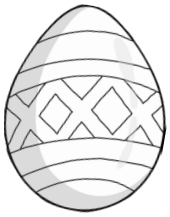
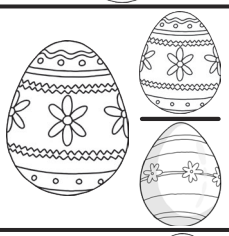
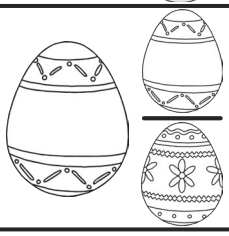
Multiply Egg Fractions

							
1	2	3	4	5	6	7	8

						
9	10	11	12	15	16	20

Use the egg code above and calculate the following multiplications, giving your answer as a mixed number.

	×		$\frac{3}{4} \times 4 = \frac{12}{4} = 3$
	×		$\frac{5}{3} \times 2 = \frac{10}{3} = 3\frac{1}{3}$
	×		$\frac{12}{5} \times 3 = \frac{36}{5} = 7\frac{1}{5}$
	×		$3\frac{3}{8} \times 5 = \frac{27}{8} \times 5$ $= \frac{135}{8} = 16\frac{7}{8}$
	×		$1\frac{1}{3} \times 16 = \frac{4}{3} \times 16$ $= \frac{64}{3} = 21\frac{1}{3}$

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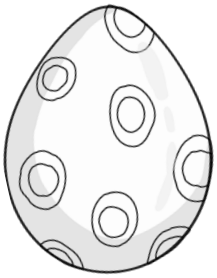
Spring Fraction Riddles



I buy some bags of eggs that each contain 24 eggs.

I use the eggs from $\frac{3}{4}$ of the bags and hide them in the playground.

The children find all of the eggs and share them out equally. Each child gets one egg.

There are $\frac{1}{6}$ of the hidden eggs left over.

The children come from 2 classes of 30 children.

How many bags of eggs did I buy?

4 bags.

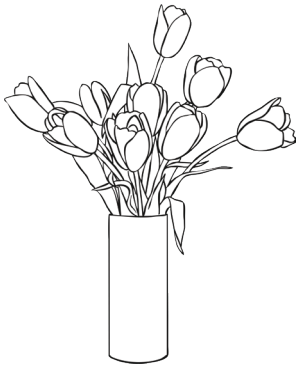
I buy some bunches of tulips of different colours.

$\frac{1}{6}$ of the bunches are red tulips.

$\frac{1}{4}$ of the bunches are yellow tulips.

$\frac{1}{3}$ of the bunches are blue tulips.

There are 6 other bunches.



How many bunches of tulips did I buy?

24 bunches.

Spring

Maths Activity Booklet

Name: _____

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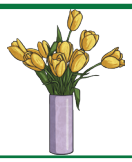
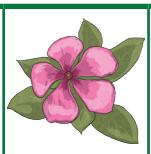
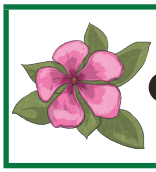
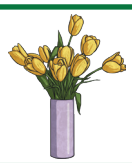
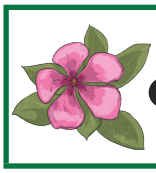
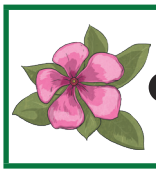
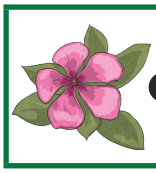
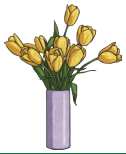
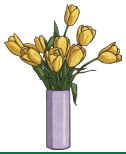
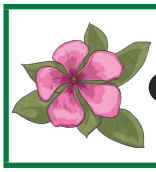
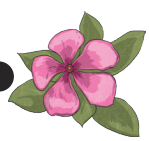
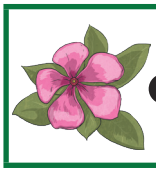
Compare Code Breaker

									
3	1	6	5	4	0	8	7	2	9

Use the code breaker to compare these decimal fractions.

	●						●			
	●						●			
	●						●			
	●						●			
	●						●			
							●		
	●						●			
	●						●			

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Calculations Code Breaker

Reveal a spring-themed joke by writing the percentage equivalent to the following fractions and decimal fractions. Use the grid to locate the letter that matches each answer. The joke will read across the tables.

A	B	C	D	E	F	G	H	I	J	K	L	M
6%	15%	21%	5%	13%	24%	18%	7%	12%	1%	25%	19%	9%

N	O	P	Q	R	S	T	U	V	W	X	Y	Z
22%	16%	11%	26%	2%	17%	20%	3%	10%	8%	14%	23%	4%

	0.08	$\frac{7}{100}$	0.06	$\frac{1}{5}$
Answer				
Letter				

$\frac{18}{100}$	0.16	$\frac{13}{100}$	0.17

$\frac{3}{100}$	0.11

	$\frac{2}{25}$	0.07	$\frac{13}{100}$	0.22
Answer				
Letter				

$\frac{2}{10}$	0.07	$\frac{13}{100}$

0.02	$\frac{6}{100}$	0.12	$\frac{22}{100}$

	0.21	$\frac{4}{25}$	0.09	$\frac{13}{100}$	0.17
Answer					
Letter					

$\frac{5}{100}$	0.16	$\frac{8}{100}$	0.22	
				?

	0.06	$\frac{22}{100}$
Answer		
Letter		

0.03	$\frac{9}{100}$	0.15	$\frac{2}{100}$	0.13	$\frac{19}{100}$	0.19	$\frac{6}{100}$	
								.

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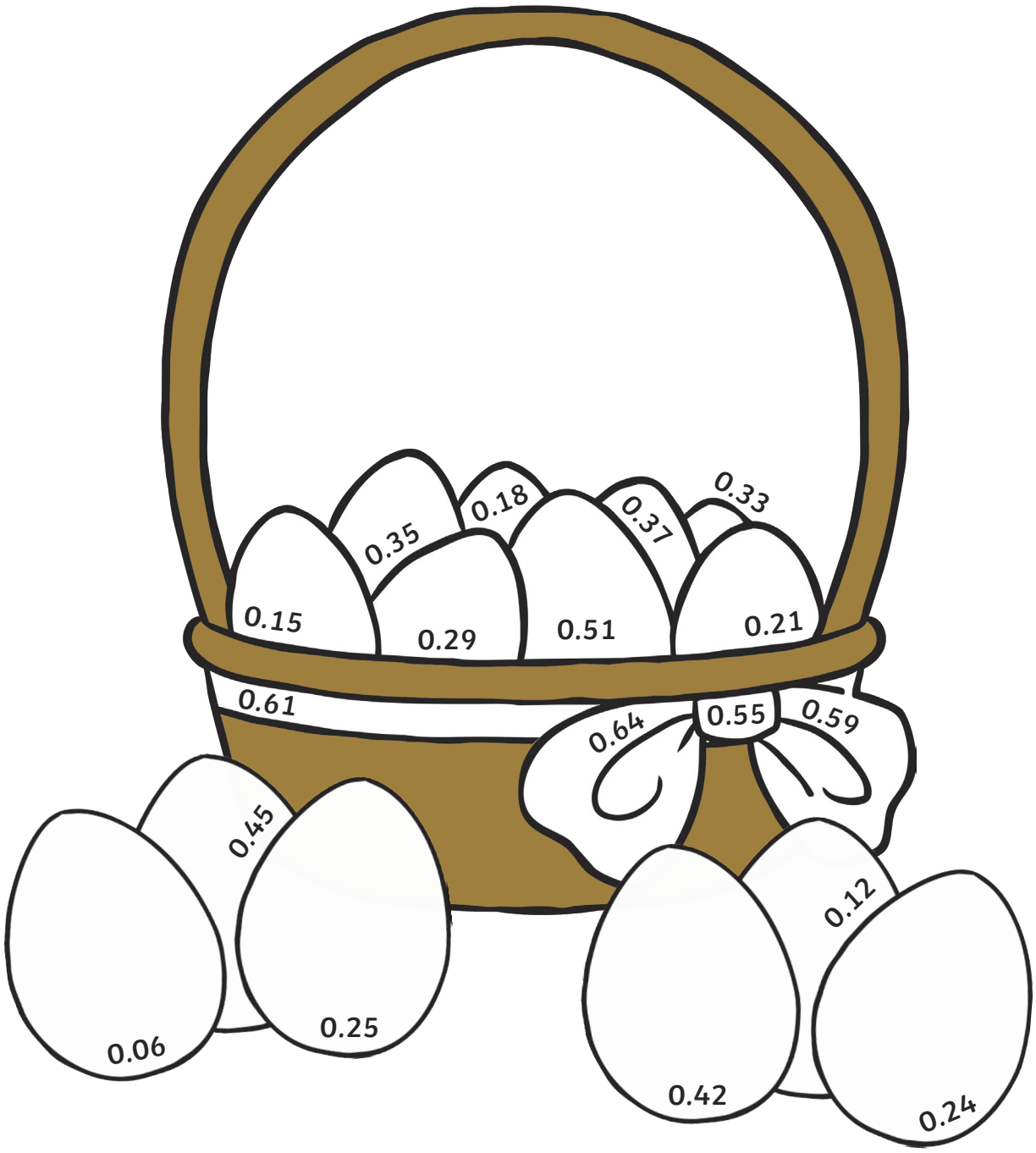
Colour by Calculation

Round each number to the nearest tenth. Use the key to colour the spring-themed picture.



Pink:	Orange:	Yellow:	Green:	Light Purple:	Blue:
0.6	0.1	0.2	0.3	0.4	0.5

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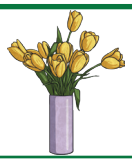
Number Cross

									
3	1	6	5	4	0	8	7	2	9

Use the spring-themed code breaker to discover the clues to the number cross. Use written methods of multiplication to solve the number cross.

1	2		3		4		5			6		7
										8		
	9			10		11			12			
			13								14	
15									16			
			17			18						
								19		20		21
22	23				24							
								25				
	26									27		

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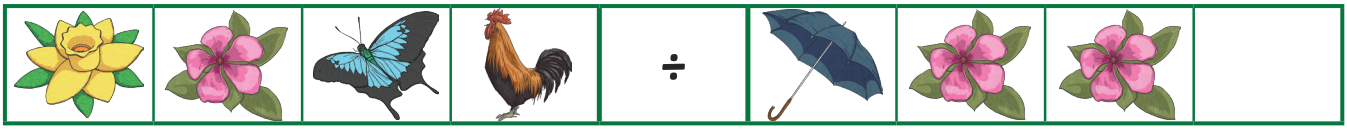
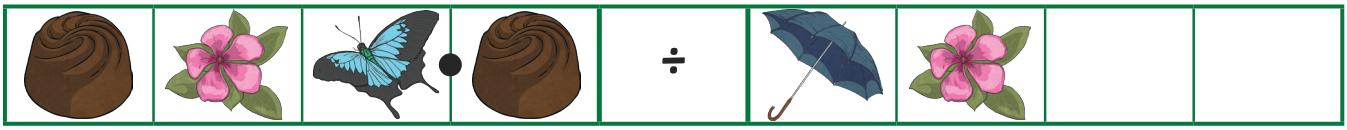
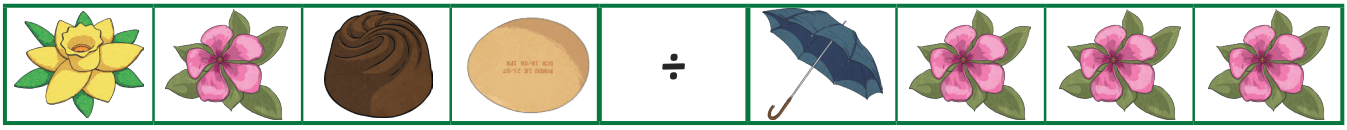
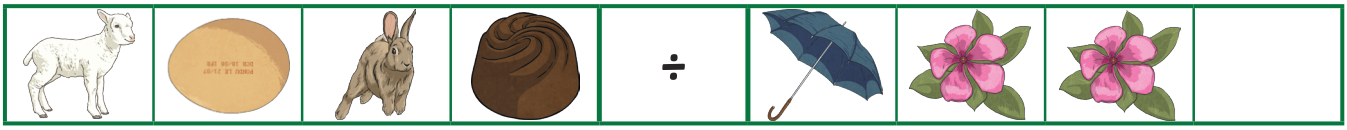
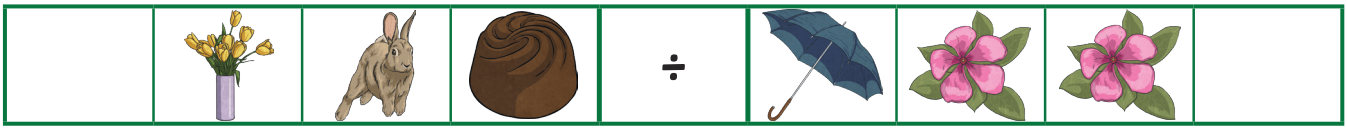
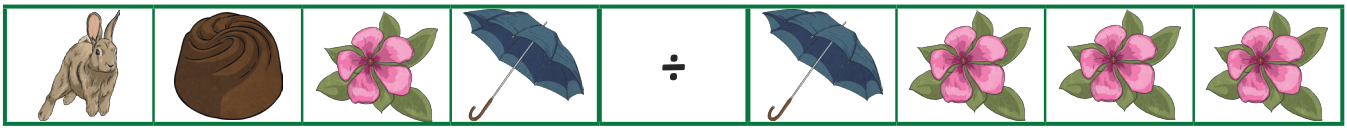
Number Cross: Across

1.
5. 
8.
9.
11. 
13.
16. 
17.
20.
22. 
24.
25. 
26. 
27.

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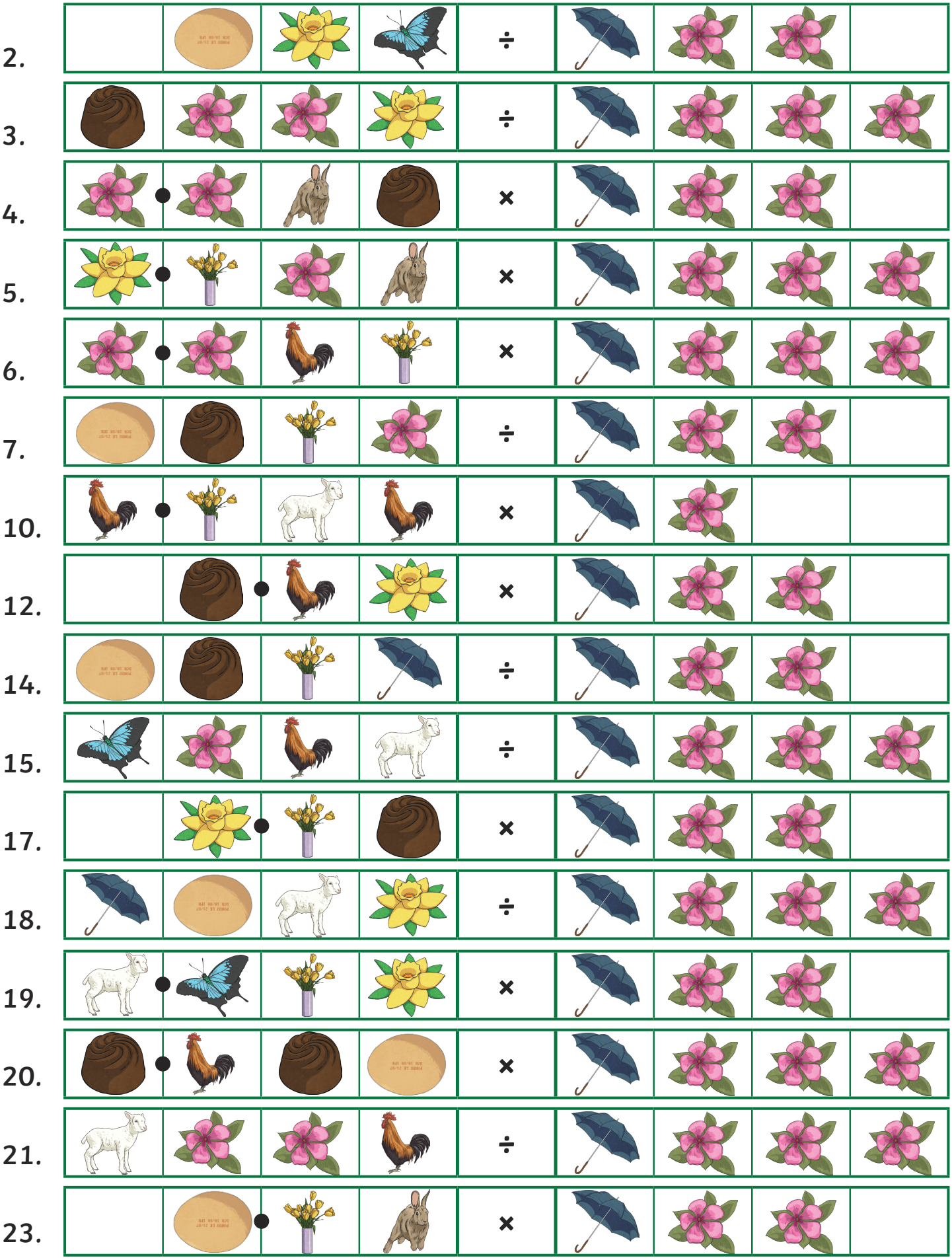
Number Cross: Down



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Maths Mosaic

Calculate each answer and find the colour to shade each square.

Grey:	Pink:	Blue:	Black:	White:
< 1	1 - 1.99	2 - 2.99	3 - 3.99	4 - 4.99

5.8 − 3.23	1.78 + 0.8	3.4 − 0.57	0.7 + 0.24	8.1 − 7.35	5.67 − 3.2	0.18 + 0.71	1.65 − 0.9	7.66 − 6.9	0.2 + 2.47
4.5 − 2.14	7.5 − 5.03	0.98 + 1.2	5.3 − 3.78	4.5 − 3.6	4.87 − 2.3	0.1 + 0.78	7.3 − 6.12	0.45 + 0.1	5.4 − 3.12
1.2 + 1.34	6.7 − 4.5	0.56 + 1.6	3.76 − 2.3	0.56 + 0.4	0.76 + 1.9	0.24 + 0.7	2.76 − 0.9	0.39 + 0.3	2.56 + 0.2
9.2 − 6.89	1.4 + 1.34	3.4 − 0.87	1.23 + 0.6	6.95 − 6.3	2.1 + 0.45	8.2 − 7.89	7.46 − 6.3	7.12 − 6.7	5.8 − 3.43
3.46 − 0.86	1.67 + 0.9	0.23 + 0.4	0.12 + 0.5	9.45 − 8.8	0.12 + 0.7	6.5 − 5.87	0.4 + 0.57	3.98 − 3.7	1.45 + 1.2
3.7 − 0.98	3.4 + 1.39	1.56 + 1.7	4.35 − 4.2	0.37 + 0.3	9.4 − 5.21	7.02 − 3.4	5.1 − 4.67	0.23 + 0.6	2.1 + 0.67
3.6 − 0.76	2.76 + 1.6	7.8 − 3.45	9.1 − 8.56	6.12 − 5.4	6.07 − 1.4	2.76 + 1.6	1.56 − 0.8	7.57 − 6.9	5.6 − 3.16
4.5 − 3.88	0.54 + 0.3	3.2 − 2.87	0.56 + 0.2	7.5 − 6.89	2.3 − 1.87	0.23 + 0.6	0.87 + 0.1	6.35 − 5.7	2.4 + 0.23
7.12 − 6.4	0.76 + 0.8	0.56 + 0.9	3.7 − 2.09	0.34 + 0.5	8.9 − 7.93	0.06 + 0.4	3.4 − 2.67	0.4 + 0.38	8.7 − 6.23
0.37 + 0.6	4.5 − 4.07	2.56 − 1.2	3.4 − 3.03	5.05 − 4.1	7.6 − 7.23	0.1 + 0.89	4.6 − 4.08	0.23 + 0.6	0.01 + 1.99

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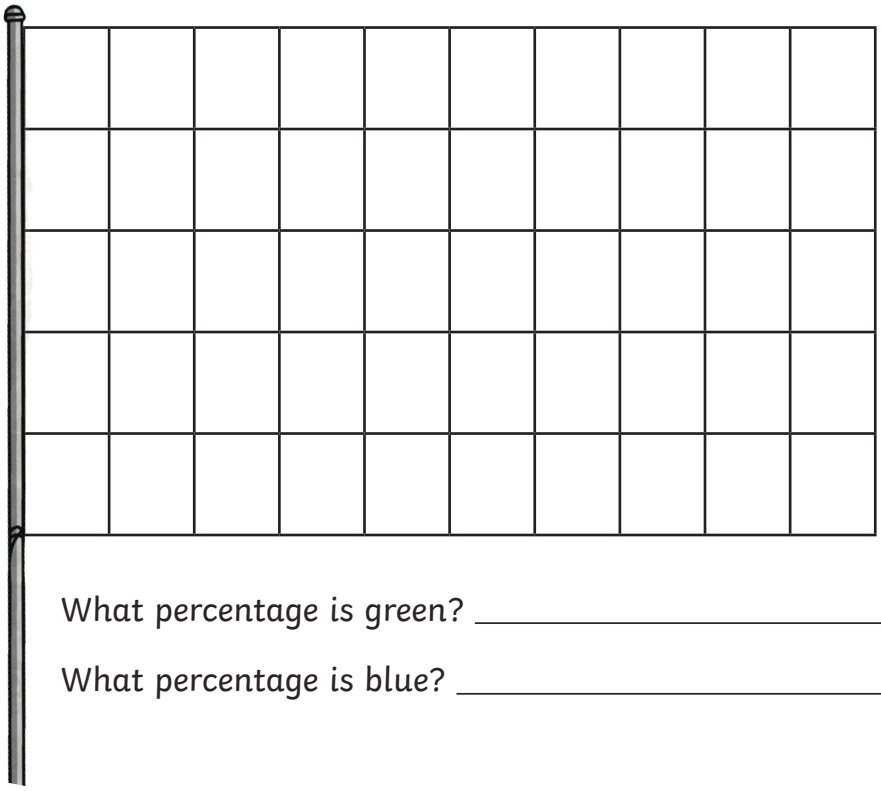
Spring Flags

These flags have been designed on centimetre square grids.

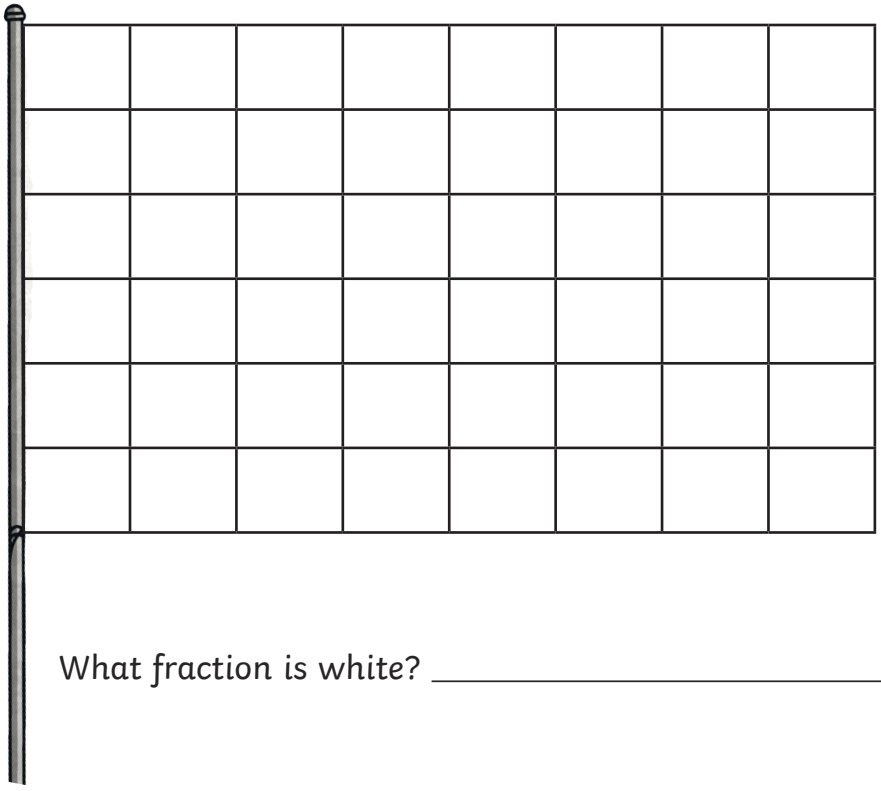
Colour the flags according to the fractions:



Red = $\frac{1}{5}$	_____
Green = $\frac{3}{10}$	_____
Blue = $\frac{1}{2}$	_____

What percentage is green? _____.

What percentage is blue? _____.



Red = $\frac{1}{4}$	_____
Green = $\frac{1}{3}$	_____
Blue = $\frac{1}{8}$	_____

What fraction is white? _____.

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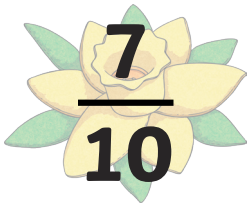
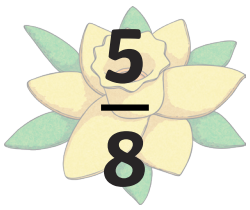
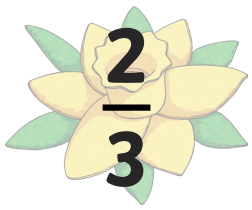
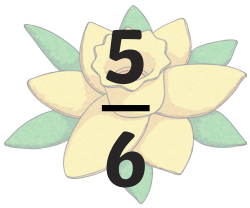
Converting Equivalent Fractions Board Game

Instructions:

- Choose a space to start from and place your counter on it.
- Roll a dice and move clockwise that number of spaces.
- Find an equivalent fraction on the flowers and cover it over.
- If you land on a square where the answer has already been covered, miss your go.
- The winner is the player who covers the last flower.

$\frac{4}{8}$	$\frac{6}{8}$	$\frac{21}{30}$	$\frac{2}{10}$	$\frac{15}{18}$
$\frac{14}{24}$	$\frac{3}{4}$	 $\frac{7}{10}$	$\frac{1}{5}$	$\frac{6}{9}$
$\frac{15}{20}$	 $\frac{5}{8}$	$\frac{1}{2}$	 $\frac{2}{3}$	$\frac{6}{12}$
$\frac{22}{33}$	$\frac{3}{10}$	 $\frac{5}{6}$	$\frac{7}{12}$	$\frac{15}{24}$
$\frac{9}{30}$	$\frac{3}{15}$	$\frac{21}{36}$	$\frac{8}{16}$	$\frac{9}{12}$

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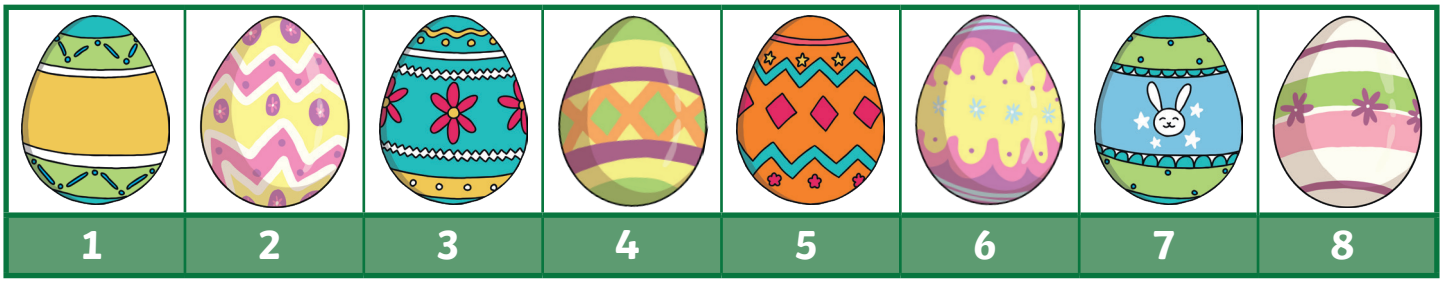
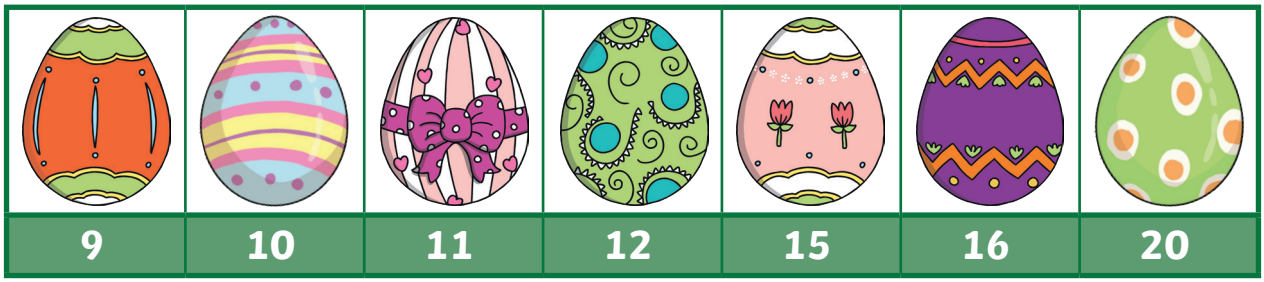
Order Egg Fractions

Here are some patterned eggs each representing a number:

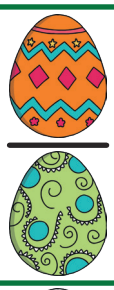
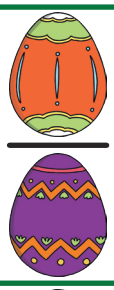
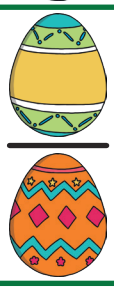
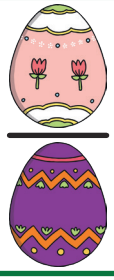
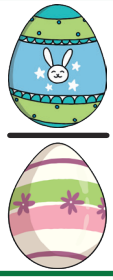


1	2	3	4	5	6	7	8



9	10	11	12	15	16	20

Use the code to find the 3 fractions in each line, and order from smallest to greatest.

			___ , ___ , ___
			___ , ___ , ___
			___ , ___ , ___
			___ , ___ , ___

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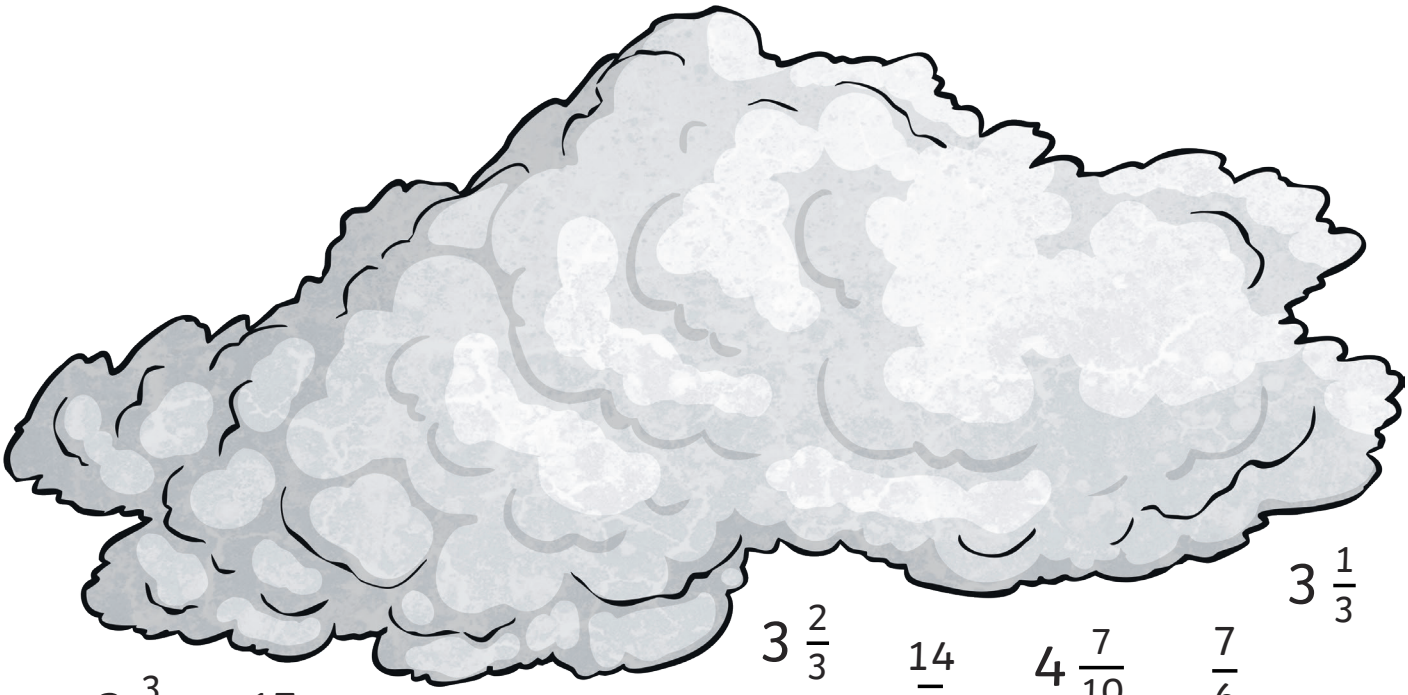
Spring Improper and Mixed Fractions

Match the improper and proper fractions to draw a spring picture.



$3\frac{1}{3}$ $3\frac{2}{3}$ $\frac{14}{5}$ $4\frac{7}{10}$ $\frac{7}{6}$ $3\frac{3}{4}$ $\frac{17}{6}$ $1\frac{7}{8}$ $\frac{13}{5}$ $4\frac{1}{2}$

$3\frac{1}{4}$ $2\frac{1}{6}$ $\frac{11}{8}$ $\frac{9}{2}$ $\frac{11}{3}$ $4\frac{9}{10}$ $\frac{47}{10}$ $1\frac{5}{8}$ $\frac{15}{6}$ $\frac{15}{4}$ $2\frac{5}{6}$ $\frac{15}{8}$ $2\frac{3}{5}$ $2\frac{4}{5}$ $1\frac{5}{6}$ $\frac{12}{3}$ $1\frac{1}{6}$ $\frac{10}{3}$

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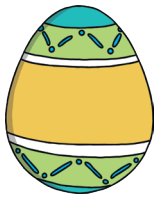
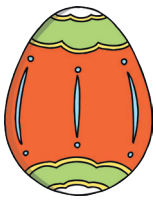
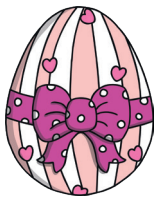
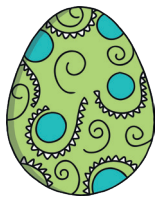
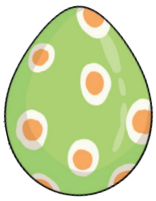
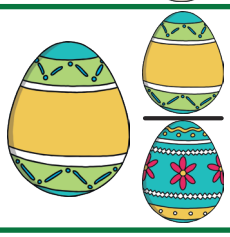
Multiply Egg Fractions

							
1	2	3	4	5	6	7	8

						
9	10	11	12	15	16	20

Use the egg code above and calculate the following multiplications, giving your answer as a mixed number.

	×		
	×		
	×		
	×		
	×		

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Spring Holiday Activities Board Game

You will need:

- counters
- a dice
- pencil

Instructions:

- Each player starts the game with 10 points.
- Take turns to throw the dice and move your counter around the board.
- When you land on a square, add or subtract the points on that square to or from your score.
- When a player reaches the finish, the player with the most points is the winner.

Keep track of your score here:

Name:	Name:	Name:	Name:
10	10	10	10

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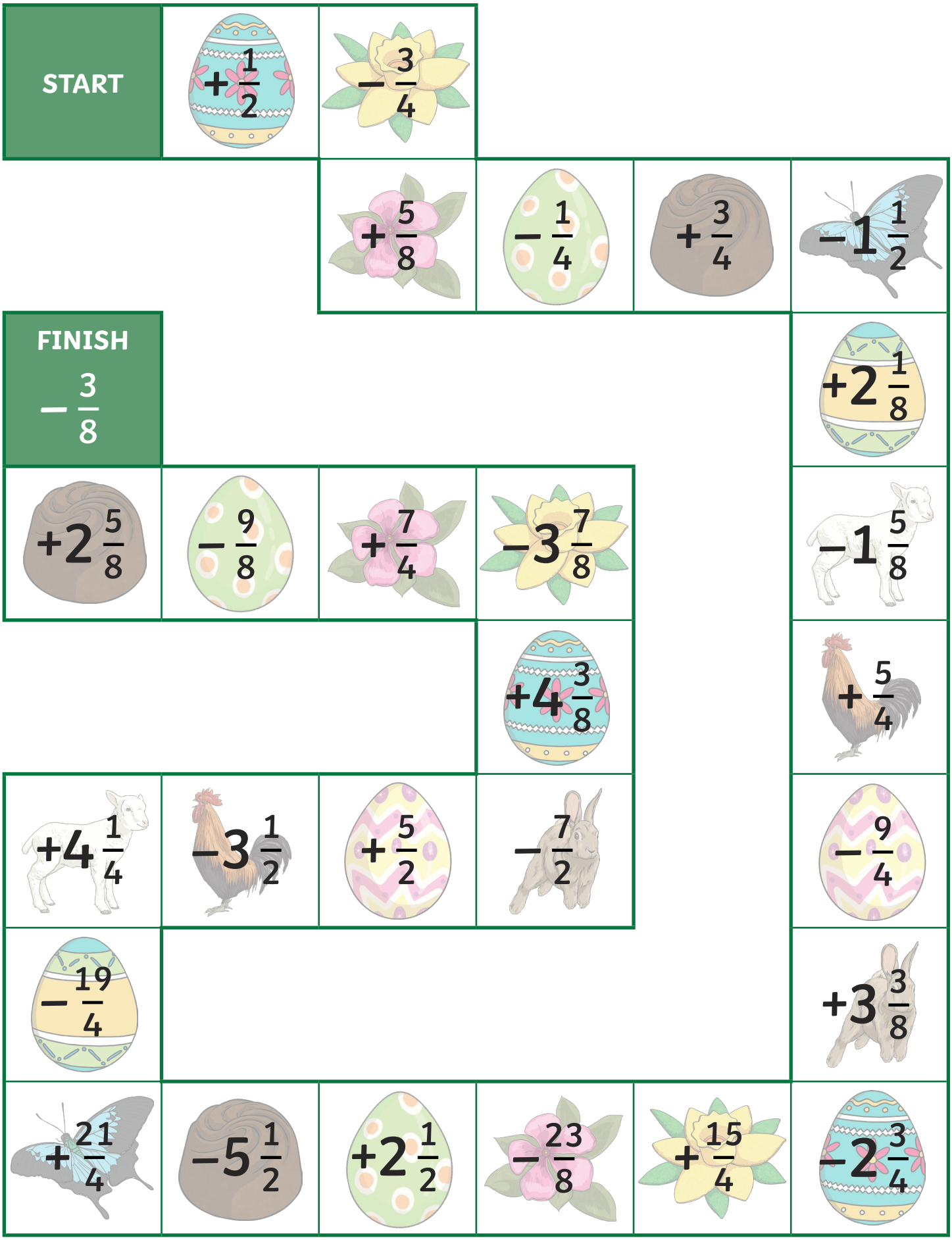
Spring Holiday Activities Board Game



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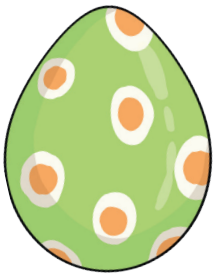
Spring Fraction Riddles



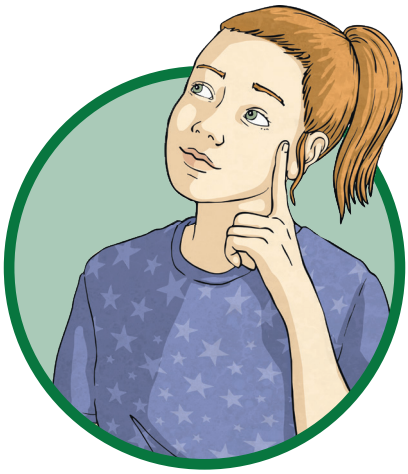
I buy some bags of eggs that each contain 24 eggs.

I use the eggs from $\frac{3}{4}$ of the bags and hide them in the playground.

The children find all of the eggs and share them out equally. Each child gets one egg.

There are $\frac{1}{6}$ of the hidden eggs left over.

The children come from 2 classes of 30 children.



How many bags of eggs did I buy?

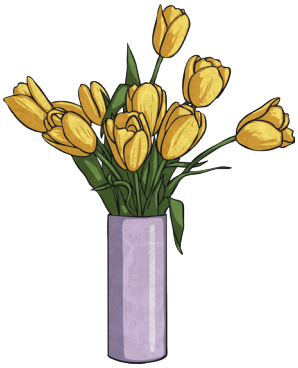
I buy some bunches of tulips of different colours.

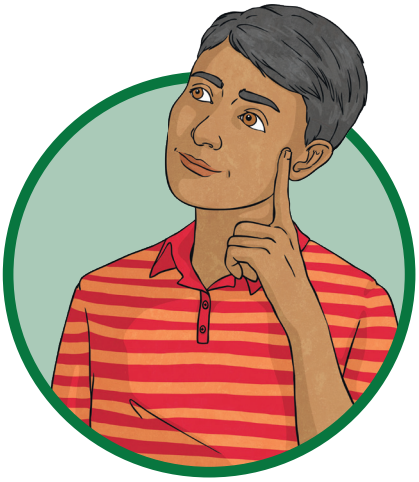
$\frac{1}{6}$ of the bunches are red tulips.

$\frac{1}{4}$ of the bunches are yellow tulips.

$\frac{1}{3}$ of the bunches are blue tulips.

There are 6 other bunches.





How many bunches of tulips did I buy?

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