STRATFORD ST MARY
PRIMARY SCHOOL

Owls Class (Year 4)

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 Owls (spaces included)
- Password: Mrs Marshall (spaces 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.
- You can also complete some maths activities/games though the suggested websites: www. ttrockstars.com;

English / Literacy

- Spelling Shed will be updated regularly with spellings to learn and also games and activities to complete.
- Your topic for this half term is 'rainforests'. Please complete a piece of writing associated with this topic. It could be a story, newspaper report or a non-fiction text. The Literacy focus recently has been using expanded noun phrases with modifying nouns and adjectives. Please try to include examples of these in your writing, where appropriate.
- For example – Could you write a letter to the Prime Minister explaining why the government should be doing more to protect the rainforests? What about writing a non-chronological report about one of the countries where rainforests can be found?
- Please also complete the handwriting sheets provided.

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.

Continuous Cursive Handwriting Practice

Practise your weekly spelling words using continuous cursive handwriting.

length

strength

purpose

history

different

difficult

separate

suppose

therefore

knowledge

Continuous Cursive Handwriting Practice

Practise your weekly spelling words using continuous cursive handwriting.

solve

solution

insoluble

dissolve

solvent

sign

signature

assign

design

signal

Find the Mixed Equivalent Fractions

LO: I can write the equivalent fraction.

Complete the following fractions to make the fractions equivalent.

1. $\frac{1}{2} = \frac{\square}{8}$	2. $\frac{3}{\square} = \frac{6}{10}$	3. $\frac{3}{4} = \frac{12}{\square}$	4. $\frac{\square}{10} = \frac{1}{2}$
5. $\frac{7}{\square} = \frac{14}{16}$	6. $\frac{2}{3} = \frac{\square}{12}$	7. $\frac{\square}{6} = \frac{4}{24}$	8. $\frac{1}{8} = \frac{2}{\square}$
9. $\frac{2}{10} = \frac{\square}{5}$	10. $\frac{2}{\square} = \frac{1}{3}$	11. $\frac{4}{5} = \frac{16}{\square}$	12. $\frac{\square}{16} = \frac{1}{4}$
13. $\frac{2}{\square} = \frac{8}{20}$	14. $\frac{2}{24} = \frac{\square}{12}$	15. $\frac{\square}{8} = \frac{3}{4}$	16. $\frac{8}{16} = \frac{1}{\square}$
17. $\frac{16}{20} = \frac{\square}{5}$	18. $\frac{7}{\square} = \frac{14}{20}$	19. $\frac{2}{12} = \frac{1}{\square}$	20. $\frac{\square}{16} = \frac{5}{8}$
21. $\frac{1}{\square} = \frac{8}{40}$	22. $\frac{4}{40} = \frac{\square}{20}$	23. $\frac{\square}{3} = \frac{8}{24}$	24. $\frac{10}{12} = \frac{5}{\square}$

Find the Equivalent Fractions **Answers**

Complete the following fractions to make the fractions equivalent.

Question	Answer
1	4
2	5
3	16
4	5
5	8
6	8
7	1
8	16
9	1
10	6
11	20
12	4

Question	Answer
13	5
14	1
15	6
16	2
17	4
18	10
19	6
20	10
21	5
22	2
23	1
24	6

Negative Numbers

Aim: Count forwards and backwards past zero into negative numbers. Solve problems using negative numbers and give reasons for answers.

Denis the Delivery Man

Denis has 10 parcels to deliver in a block of flats. The deliveries need to be made in a certain order depending on when people are at home. The flats have floors above and below ground level. As Denis delivers the parcels, mark the floors he visits in the order that he makes the deliveries. Remember to use the negative value to mark the basement floors.

	Floor ☐	Order ☐
	Floor ☐	Order ☐
	Floor ☐	Order ☐
	Floor 3	
	Floor ☐	Order ☐
	Floor ☐	Order ☐
	Floor 0	
	Floor ☐	Order ☐
	Floor ☐	Order ☐
	Floor ☐	Order ☐
	Floor ☐	Order ☐
	Floor ☐	Order ☐
	Floor -6	

1. Denis starts on the ground floor (0) and his first delivery is on floor 2.
2. He then goes down 4 floors.
3. Denis has to go down another 3 floors next.
4. Once that parcel is delivered, he travels up 10 floors.
5. After that, Denis goes down to basement level -1. How many floors has he travelled to get there?

6. Up he goes again. This time 5 floors up. Mark which floor he is at now.
7. Back down 7 floors. Where is he now?
8. Up to floor 1 next. How many floors has Denis gone up this time?
9. Finally, back down 5 floors.
10. Where is Denis' last delivery?

    How many floors must he travel to get there?

    In which direction is he going?

Challenge

If he starts and finishes his round at ground level (Floor 0), how many floors has Denis stopped at or travelled past on his delivery round today?

Denis thinks he could have done his round travelling to fewer floors. Do you agree?

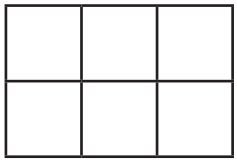
Give reasons for your answer.

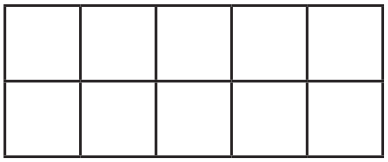
Other Ideas

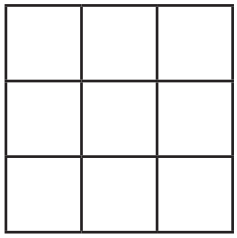
Find a recipe and follow the instructions to cook something (with an adult).	Draw/paint a picture when sitting from somewhere in the house – could be the garden from your window or the house from the garden.	Tidy your room or spend 20 minutes helping to tidy the house.
Everyday, do a task to help someone 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.

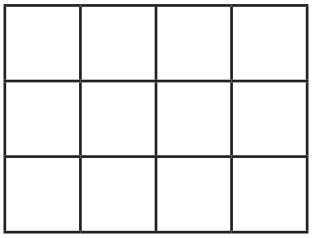
Calculate the Area

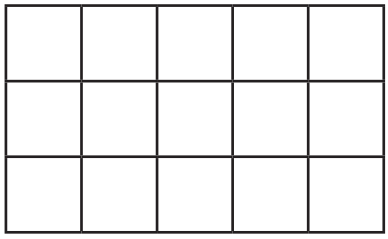
What is the area of these shapes in cm^2?

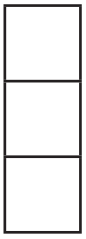
1. 

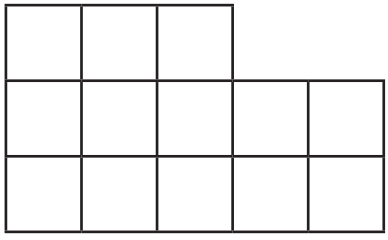
2. 

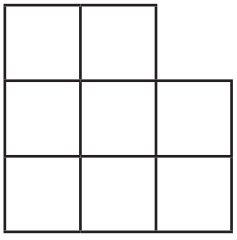
3. 

4. 

5. 

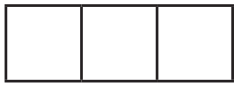
6. 

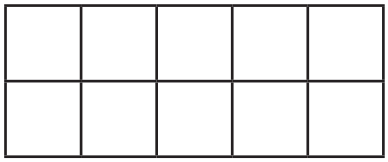
7. 

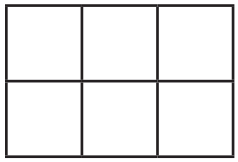
8. 

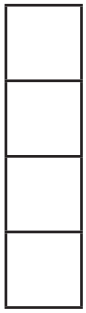
Calculate the Area

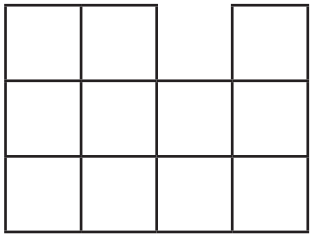
What is the area of these shapes in cm^2?

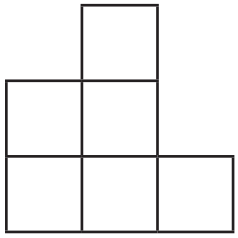
1. 

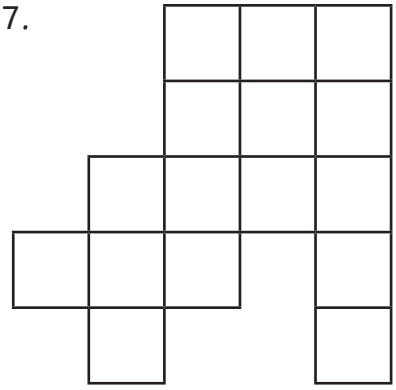
2. 

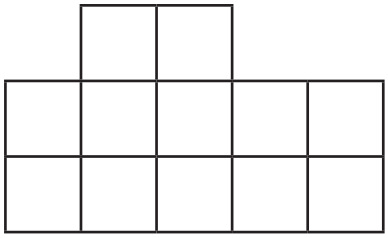
3. 

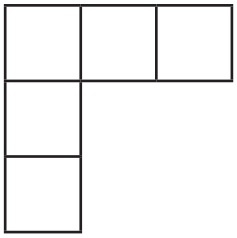
4. 

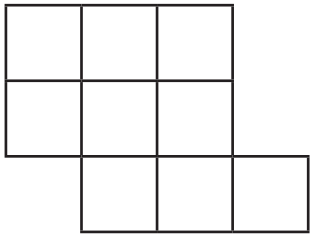
5. 

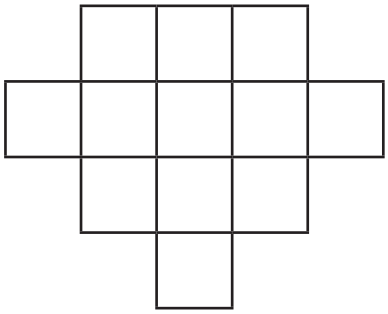
6. 

7. 

8. 

9. 

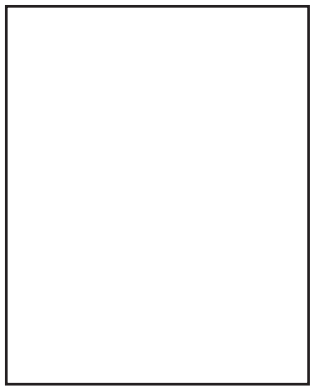
10. 

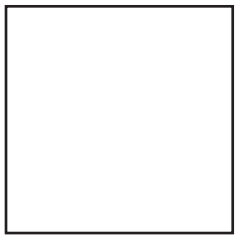
11. 

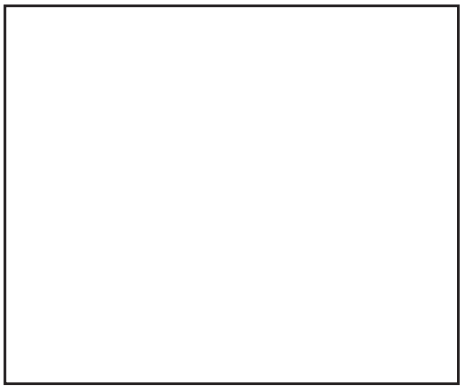
Calculate the Area

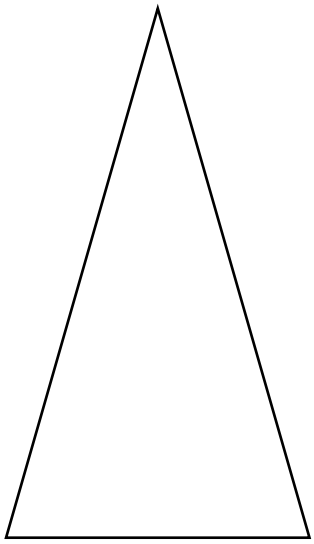
Measure and calculate the area of these shapes in cm^2?

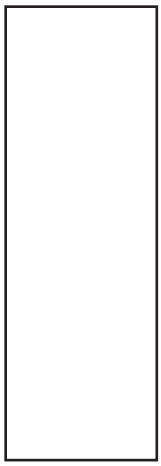
1. 

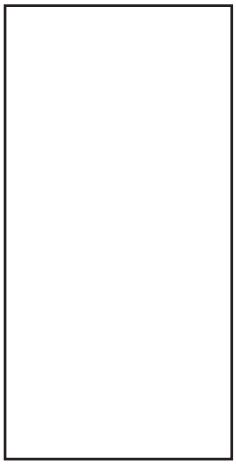
2. 

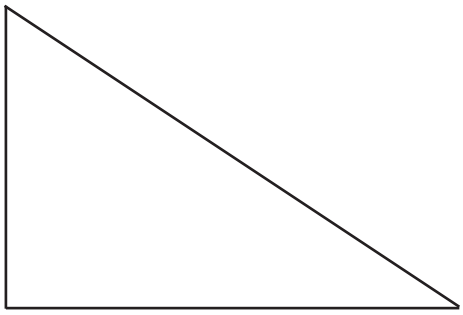
3. 

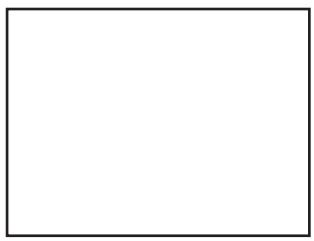
4. 

5. 

6. 

7. 

8. 

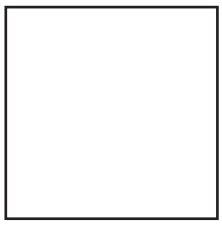
9. 

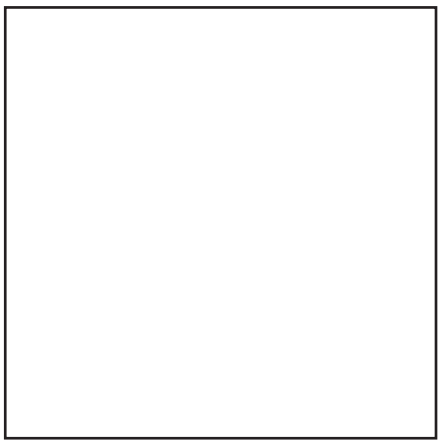
Calculate the Area

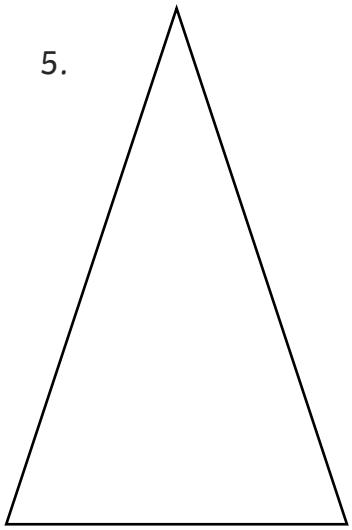
Measure and calculate the area of these shapes in mm^2?

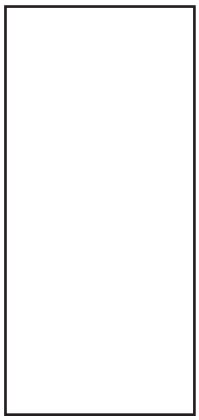
1. 

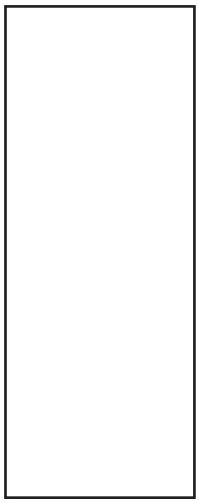
2. 

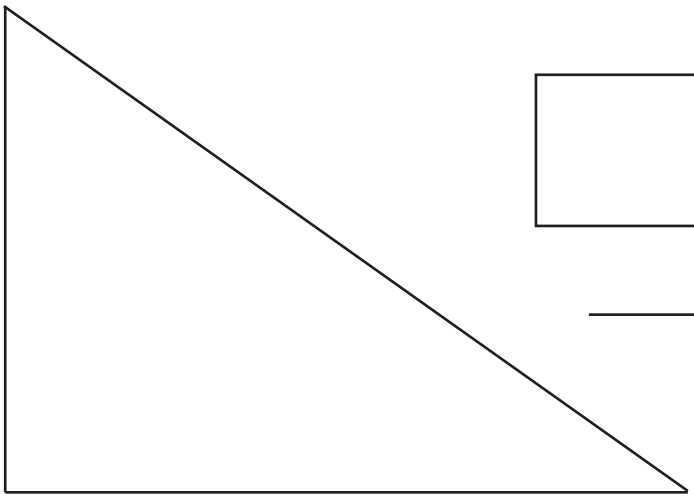
3. 

4. 

5. 

6. 

7. 

8. 

9. 

Calculate the Area Answers *

1. **6cm²**
2. **10cm²**
3. **9cm²**
4. **12cm²**
5. **15cm²**
6. **3cm²**
7. **13cm²**
8. **8cm²**

Calculate the Area Answers **

1. **3cm²**
2. **10cm²**
3. **6cm²**
4. **4cm²**
5. **11cm²**
6. **6cm²**
7. **16cm²**
8. **12cm²**
9. **5cm²**
10. **9cm²**
11. **12cm²**

Calculate the Area Answers ***

1. **3cm × 2cm = 6cm²**
2. **4cm × 5cm = 20cm²**
3. **3cm × 3cm = 9cm²**
4. **5cm × 6cm = 30cm²**
5. **7cm × 4cm ÷ 2 = 14cm²**
6. **2cm × 6cm = 12cm²**
7. **6cm × 3cm = 18cm²**
8. **6cm × 4cm ÷ 2 = 12cm²**
9. **4cm × 3cm = 12cm²**

Calculate the Area Answers ***

1. **27mm × 62mm = 1674mm²**
2. **27mm × 33mm = 891mm²**
3. **28mm × 28mm = 784mm²**
4. **57mm × 57mm = 3249mm²**
5. **68mm × 45mm ÷ 2 = 1530mm²**
6. **25mm × 54mm = 1350mm²**
7. **25mm × 65mm = 1625mm²**
8. **90mm × 64cm ÷ 2 = 2880mm²**
9. **20mm × 55mm = 1100mm²**

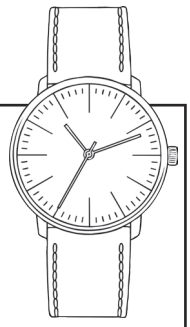
Solving Multi Step Word Problems

For each word problem, underline the key information, write down the calculations and work out the answers. The problems may involve adding, subtracting, multiplying or dividing.

1. On Sunday I spent 98 minutes on my art project, and 35 minutes on my numeracy homework.
   On Thursday evening I spent a total of 100 minutes on my homework.
   What is the difference between the amount of homework I did on Sunday and Thursday evening?

2. Dad drives a truck. Last week he drove 250 kilometres on Monday and 145 on Tuesday. This week Dad drove 150 kilometres in total.
   What is the difference in kilometres between this week and last week?

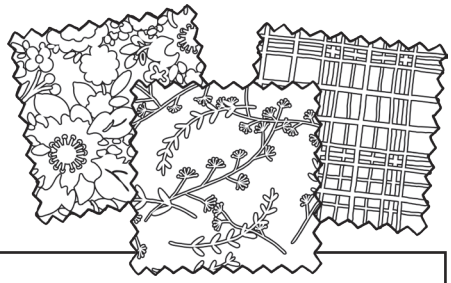
3. One watch costs $1 and I bought two.
   If I paid with a $5 note, how much change did I receive?



4. There are 12 eggs in each egg tray and I bought 5 trays.
   I used 2 trays of eggs this weekend, how many individual eggs do I have left now?

5. I need to buy enough whiteboards for 95 students and there are 10 in a pack.
   When the packs arrive 4 whiteboards are damaged. How many whiteboards are undamaged?

6. At the fabric shop I bought 125 metres of orange fabric and 50 metres of yellow fabric.
   I have used 13 metres of the orange fabric and 12 metres of yellow fabric.
   How many metres of fabric do I have left in total?



7. I got $35.00 for my birthday. I spent $10.00 on Saturday and $15.50 on Sunday.
   How much spending money have I got left?

8. Mum arrived at Grandma's house at 7:10am. My brother had set off at 7:00am and arrived at Grandma's house 10 minutes after Mum.
   How long did it take him to get there?

9. Sally bought 3 photograph frames, each costing $2.50. She paid with $20.00.
   How much change did she get?

10. I walk 2000m every day.
    How many days would it take me to walk 150km?

Solving Multi Step Word Problems **Answers**

1. On Sunday I spent 98 minutes on my art project, and 35 minutes on my numeracy homework. On Thursday evening I spent a total of 100 minutes on my homework. What is the difference between the amount of homework I did on Sunday and Thursday evening?
   33 minutes

2. Dad drives a truck. Last week he drove 250 kilometres on Monday and 145 on Tuesday. This week Dad drove 150 kilometres in total.
   What is the difference in kilometres between this week and last week?
   245 kilometres

3. One watch costs $1 and I bought two.
   If I paid with a $5 note, how much change did I receive?
   $3

4. There are 12 eggs in each egg tray and I bought 5 trays.
   I used 2 trays of eggs this weekend, how many individual eggs do I have left now?
   36 eggs

5. I need to buy enough whiteboards for 95 students and there are 10 in a pack.
   When the packs arrive 4 whiteboards are damaged. How many whiteboards are undamaged?
   96 whiteboards

6. At the fabric shop I bought 125 metres of orange fabric and 50 metres of yellow fabric.
   I have used 13 metres of the orange fabric and 12 metres of yellow fabric.
   How many metres of fabric do I have left in total?
   150m

7. I got $35.00 for my birthday. I spent $10.00 on Saturday and $15.50 on Sunday.
   How much spending money have I got left?
   $9.50

8. Mum arrived at Grandma's house at 7:10am. My brother had set off at 7:00am and arrived at Grandma's house 10 minutes after Mum. How long did it take him to get there?
   20 minutes

9. Sally bought 3 photograph frames, each costing $2.50. She paid with $20.00.
   How much change did she get?
   $12.50

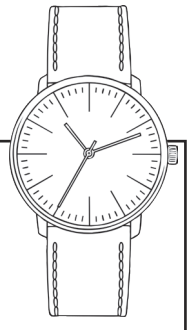
10. I walk 2000m every day.
    How many days would it take me to walk 150km?
    300 days

Solving Multi Step Word Problems

For each word problem, underline the key information, write down the calculations and work out the answers. The problems may involve adding, subtracting, multiplying or dividing.

1. On Sunday I spent 114 minutes on my art homework and 45 minutes on my numeracy homework. On Thursday evening I spent 111 minutes on my literacy homework. What is the difference between the time I spent doing homework on Sunday and Thursday evening?

2. Dad drives a truck. Last week he drove 267 kilometres on Monday, 186 on Tuesday and 198 on Wednesday. This week Dad drove 282 kilometres in total
   What is the difference in kilometres between this week and last week?

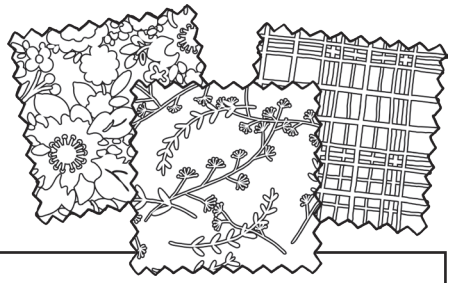


3. One watch costs $1.90 and I bought four.
   If I paid with a $10 note, how much change did I receive?

4. There are 12 eggs in each egg tray and I bought 9 trays.
   I used 3 trays of eggs this weekend, how many individual eggs do I have left now?

5. I need to buy enough whiteboards for 172 students and there are 25 in a pack. When the packs arrive 12 whiteboards are damaged.
   How many whiteboards are undamaged?

6. At the fabric shop I bought 238 metres of orange fabric, 100 metres of yellow fabric and 267 metres of purple fabric.
   I have used 15 metres of the orange fabric, 25 metres of yellow fabric and 7 metres of purple fabric.
   How many metres of fabric do I have left in total?



7. I got $48 for my birthday. I spent $12.50 on Saturday and $19.20 on Sunday.
   How much spending money have I got left?

8. Mum arrived at Grandma's house at 7:55am. My brother had set off at 7:20am and arrived at Grandma's house 15 minutes after Mum. How long did it take him to get there?

9. Sally bought 3 photograph frames, each costing $7.50. She paid with $30.00. How much change did she get?

10. I walk 3000m every day. How many days would it take me to walk 273 kilometres?

Solving Multi Step Word Problems **Answers**

1. On Sunday I spent 114 minutes on my art homework and 45 minutes on my numeracy homework. On Thursday evening I spent 111 minutes on my literacy homework.
   What is the difference between the time I spent doing homework on Sunday and Thursday evening?
   48 minutes

2. Dad drives a truck. Last week he drove 267 kilometres on Monday, 186 on Tuesday and 198 on Wednesday. This week Dad drove 282 kilometres in total
   What is the difference in kilometres between this week and last week?
   369 kilometres

3. One watch costs $1.90 and I bought four.
   If I paid with a $10 note, how much change did I receive?
   $2.40

4. There are 12 eggs in each egg tray and I bought 9 trays.
   I used 3 trays of eggs this weekend, how many individual eggs do I have left now?
   72 eggs

5. I need to buy enough whiteboards for 172 students and there are 25 in a pack. When the packs arrive 12 whiteboards are damaged.
   How many whiteboards are undamaged?
   163 whiteboards

6. At the fabric shop I bought 238 metres of orange fabric, 100 metres of yellow fabric and 267 metres of purple fabric. I have used 15 metres of the orange fabric, 25 metres of yellow fabric and 7 metres of purple fabric. How many metres of fabric do I have left in total?
   558m

7. I got $48 for my birthday. I spent $12.50 on Saturday and $19.20 on Sunday.
   How much spending money have I got left?
   $16.30

8. Mum arrived at Grandma's house at 7:55am. My brother had set off at 7:20am and arrived at Grandma's house 15 minutes after Mum. How long did it take him to get there?
   50 minutes

9. Sally bought 3 photograph frames, each costing $7.50. She paid with $30.00. How much change did she get?
   $7.50

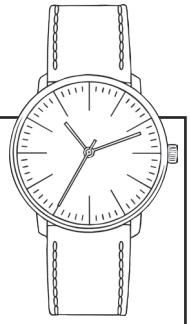
10. I walk 3000m every day. How many days would it take me to walk 273 kilometres?
    91 days

Solving Multi Step Word Problems

For each word problem, underline the key information, write down the calculations and work out the answers. The problems may involve adding, subtracting, multiplying or dividing.

1. On Sunday I spent 114 minutes on my art project, and 45 minutes on my numeracy homework. On Thursday evening spent a total of 86 minutes on my history project and 39 minutes reading.
   What is the difference in minutes between the amount of homework I did on Sunday and Thursday evening?

2. Dad drives a truck. Last week he drove 267 kilometres on Monday, 186 on Tuesday and 198 on Wednesday. This week Dad drove 279 kilometres on Monday, 148 on Tuesday and 288 on Wednesday.
   What is the difference in kilometres between this week and last week?

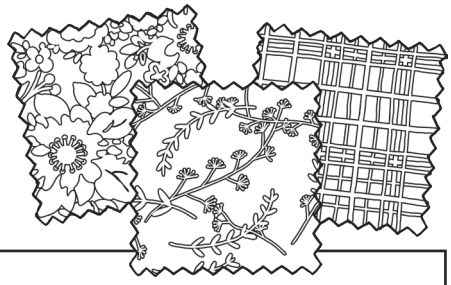


3. One watch costs $1.60 and I bought four.
   If I had paid with a $20 note, how much change would I have received?

4. There are 12 eggs in each egg tray and I bought 11 trays.
   I used 38 eggs this weekend, how many full trays do I have left now?

5. I need to buy enough whiteboards for 273 students and there are 25 in a pack. When the packs arrive 17 whiteboards are damaged.
   How many whiteboards are undamaged?

6. At the fabric shop I buy 378 metres of orange fabric, 107 metres of yellow fabric and 467 metres of purple fabric. I have used 16 metres of the orange fabric, 27 metres of yellow fabric and 12 metres of purple fabric.
   How many metres of fabric do I have left in total?



7. I got $78.50 for my birthday. I spent $12.50 on Saturday and $22.80 on Sunday.
   How much spending money have I got left?

8. Mum set off at 5:55pm. She arrived at her destination at 7.34pm. Mum had estimated that the journey would take her 2 hours and 16 minutes.
   What is the difference between her estimated and actual travel time?

9. Sally bought 3 photograph frames, each costing $7.50. She paid with $30.00.
   How much change did she get?

10. I walk 6000m every day.
    How many days would it take me to walk 276km?

Solving Multi Step Word Problems **Answers**

1. On Sunday I spent 114 minutes on my art project, and 45 minutes on my numeracy homework. On Thursday evening spent a total of 86 minutes on my history project and 39 minutes reading. What is the difference in minutes between the amount of homework I did on Sunday and Thursday evening?
   34 minutes

2. Dad drives a truck. Last week he drove 267 kilometres on Monday, 186 on Tuesday and 198 on Wednesday. This week Dad drove 279 kilometres on Monday, 148 on Tuesday and 288 on Wednesday. What is the difference in kilometres between this week and last week?
   64 kilometres

3. One watch costs $1.60 and I bought four.
   If I had paid with a $20 note, how much change would I have received?
   $13.60

4. There are 12 eggs in each egg tray and I bought 11 trays.
   I used 38 eggs this weekend, how many full trays do I have left now?
   7 trays

5. I need to buy enough whiteboards for 273 students and there are 25 in a pack. When the packs arrive 17 whiteboards are damaged. How many whiteboards are undamaged?
   258 whiteboards

6. At the fabric shop I buy 378 metres of orange fabric, 107 metres of yellow fabric and 467 metres of purple fabric. I have used 16 metres of the orange fabric, 27 metres of yellow fabric and 12 metres of purple fabric. How many metres of fabric do I have left in total?
   897m

7. I got $78.50 for my birthday. I spent $12.50 on Saturday and $22.80 on Sunday.
   How much spending money have I got left?
   $43.20

8. Mum set off at 5:55pm. She arrived at her destination at 7.34pm. Mum had estimated that the journey would take her 2 hours and 16 minutes.
   What is the difference between her estimated and actual travel time?
   37 minutes

9. Sally bought 3 photograph frames, each costing $7.50. She paid with $30.00.
   How much change did she get?
   $7.50

10. I walk 6000m every day. How many days would it take me to walk 276km?
    46 days

Please make sure that you print this resource at 100% so that all measurements are correct.
To do this, follow the relevant steps below.

Adobe Reader or Adobe Acrobat

- Adobe Reader is a free PDF viewer, from Adobe. To install a copy of Adobe Reader, go to https://get.adobe.com/uk/reader/.
- Once Adobe Reader is installed, open your PDF.
- Go to File>Print.
- Under 'Page Sizing & Handling', select 'Size'.
- From here, make sure that 'Actual Size' is selected.
- Print this page as a test, making sure that the shape below is the correct size once printed.
- If the test print is correct, print your PDF.

Foxit Reader

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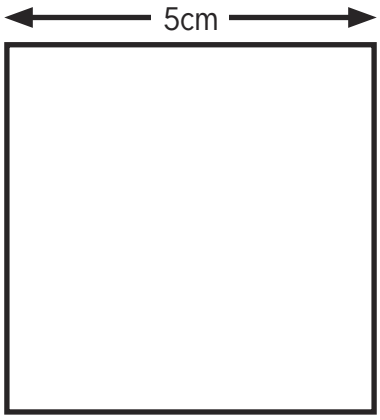
- Set the 'Scaling' to 'None'.
- Print this page as a test, making sure that the shape below is the correct size once printed.
- If the test print is correct, print your PDF.

Web Browser

- If printing from a web browser, such as Chrome, Firefox or Microsoft Edge make sure that your printer is set to print at 100%, either by unticking 'Fit to Page' or selecting 'Actual Size'.
- Print this page as a test, making sure that the shape below is the correct size once printed.
- If the test print is correct, print your PDF.



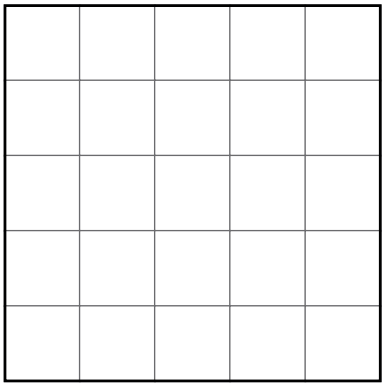
Measure and Calculate the Perimeter of a Rectilinear Figure

Aim: I can measure and calculate the perimeter of a square and a rectangle.

The Perimeter of Squares

Count the length of one side of each square and multiply by 4 to find the perimeter.

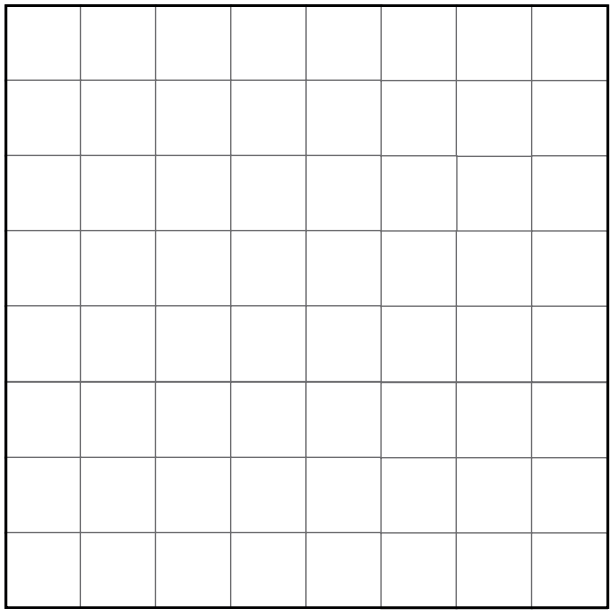
1.



1 side =_____

perimeter =_____

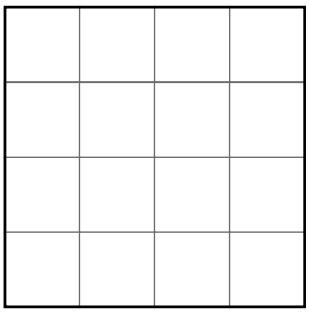
2.



1 side =_____

perimeter =_____

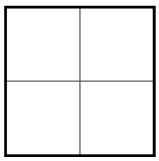
3.



1 side =_____

perimeter =_____

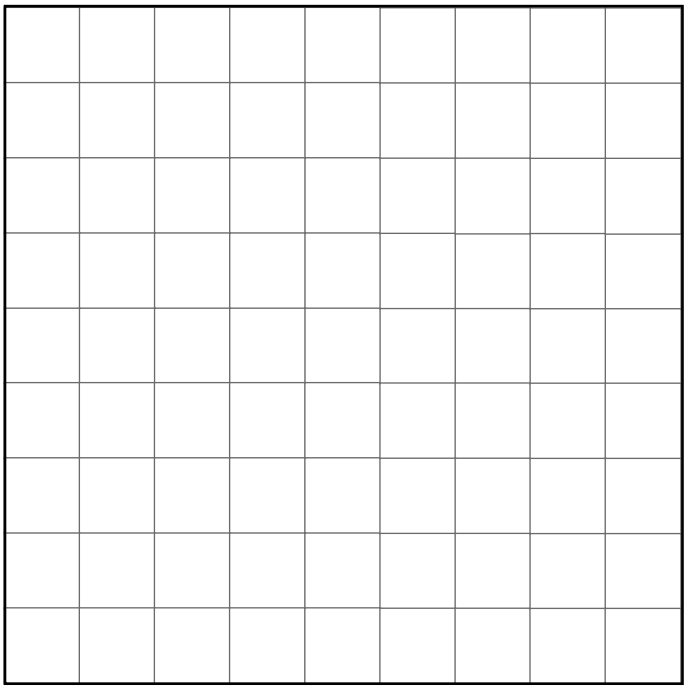
4.



1 side =_____

perimeter =_____

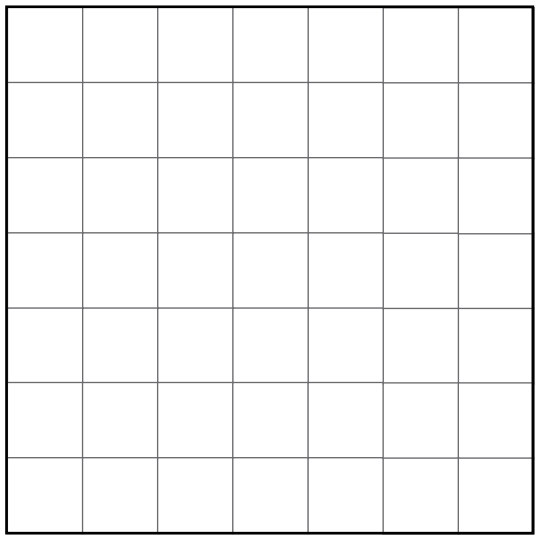
5.



1 side =_____

perimeter =_____

6.



1 side =_____

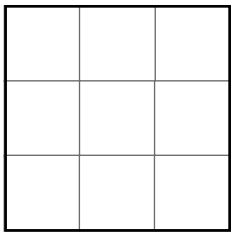
perimeter =_____

7.

1 side =_____

perimeter =_____

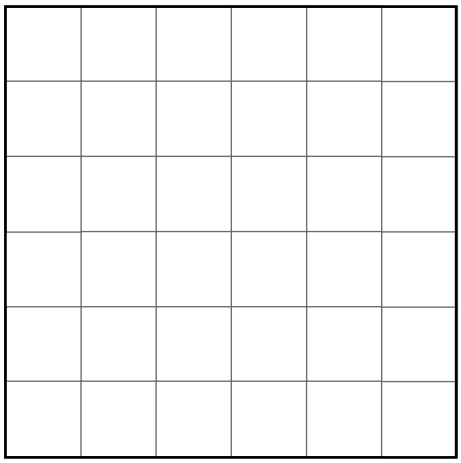
8.



1 side =_____

perimeter =_____

9.



1 side =_____

perimeter =_____

The Perimeter of Rectangles

Count the length of two sides of each rectangle, add together and multiply by 2 to find the perimeter.

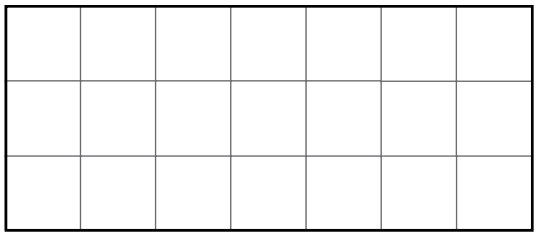
1.

side 1 =_____

side 2 =_____

perimeter =_____

2.

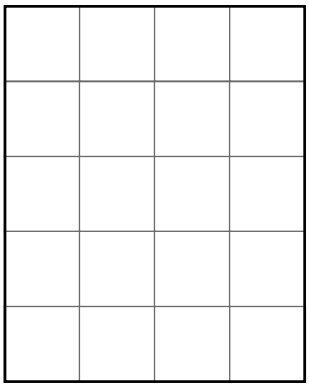


side 1 =_____

side 2 =_____

perimeter =_____

3.

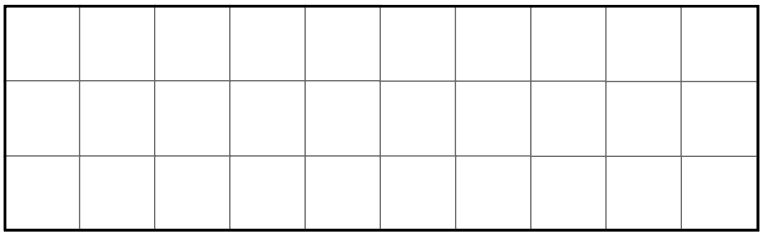


side 1 =_____

side 2 =_____

perimeter =_____

4.

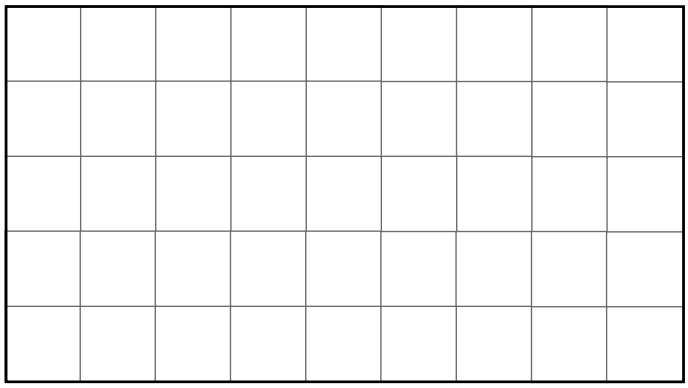


side 1 =_____

side 2 =_____

perimeter =_____

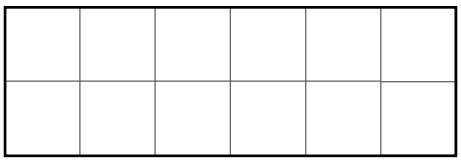
5.



side 1 =_____,side 2 =_____

perimeter =_____

6.

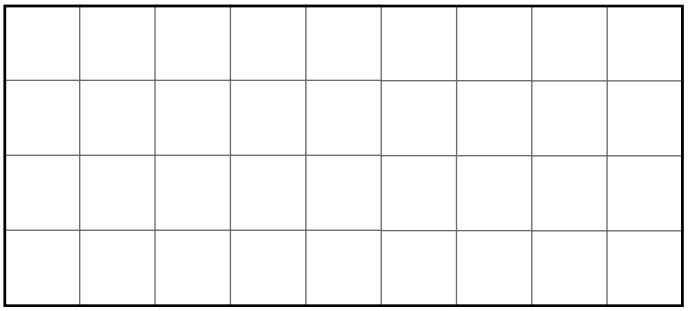


side 1 =_____

side 2 =_____

perimeter =_____

7.

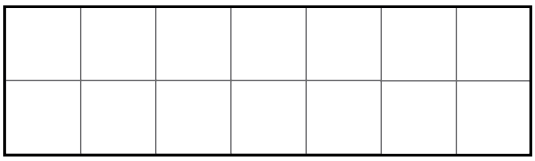


side 1 =_____

side 2 =_____

perimeter =_____

8.

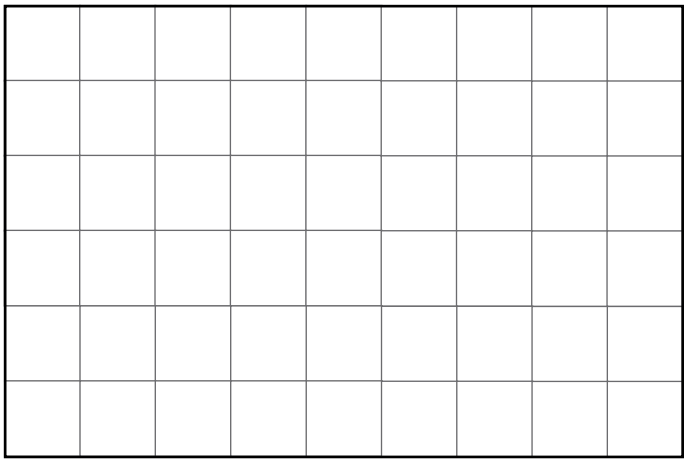


side 1 =_____

side 2 =_____

perimeter =_____

9.

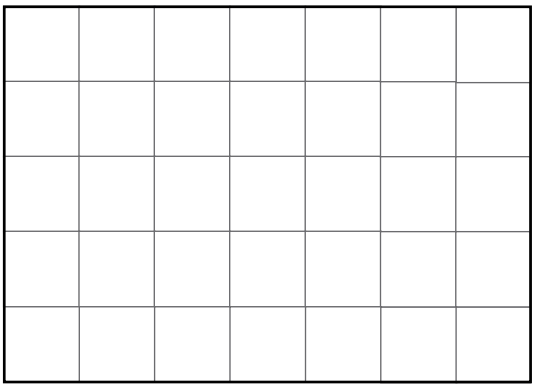


side 1 =_____

side 2 =_____

perimeter =_____

10.

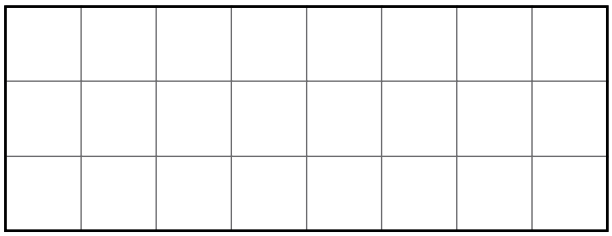


side 1 =_____

side 2 =_____

perimeter =_____

11.

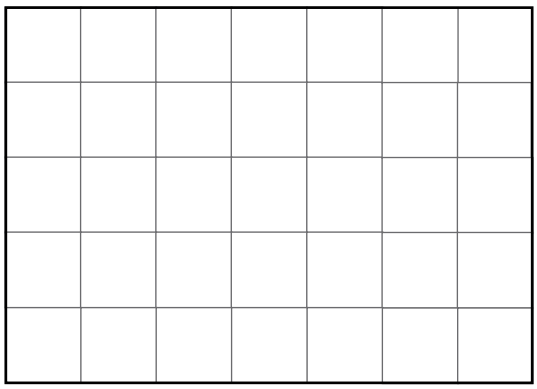


side 1 =_____

side 2 =_____

perimeter =_____

12.



side 1 =_____,side 2 =_____

perimeter =_____

Measure and Calculate the Perimeter of a Rectilinear Figure **Answers**

The Perimeter of Squares

1. 1 side = 5cm
   perimeter = 20cm
2. 1 side = 8cm
   perimeter = 32cm
3. 1 side = 4cm
   perimeter = 16cm
4. 1 side = 2cm
   perimeter = 8cm
5. 1 side = 9cm
   perimeter = 36cm
6. 1 side = 7cm
   perimeter = 28cm
7. 1 side = 1cm
   perimeter = 4cm
8. 1 side = 3cm
   perimeter = 12cm
9. 1 side = 6cm
   perimeter = 24cm

The Perimeter of Rectangles

1. side 1 = 6cm
   side 2 = 1cm
   perimeter = 14cm
2. side 1 = 7cm
   side 2 = 3cm
   perimeter = 20cm
3. side 1 = 4cm
   side 2 = 5cm
   perimeter = 18cm
4. side 1 = 10cm
   side 2 = 3cm
   perimeter = 26cm
5. side 1 = 9cm
   side 2 = 5cm
   perimeter = 28cm
6. side 1 = 2cm
   side 2 = 6cm
   perimeter = 16cm
7. side 1 = 4cm
   side 2 = 9cm
   perimeter = 26cm
8. side 1 = 7cm
   side 2 = 2cm
   perimeter = 18cm
9. side 1 = 9cm
   side 2 = 6cm
   perimeter = 30cm
10. side 1 = 7cm
    side 2 = 5cm
    perimeter = 24cm
11. side 1 = 3cm
    side 2 = 8cm
    perimeter = 22cm
12. side 1 = 5cm
    side 2 = 7cm
    perimeter = 24cm

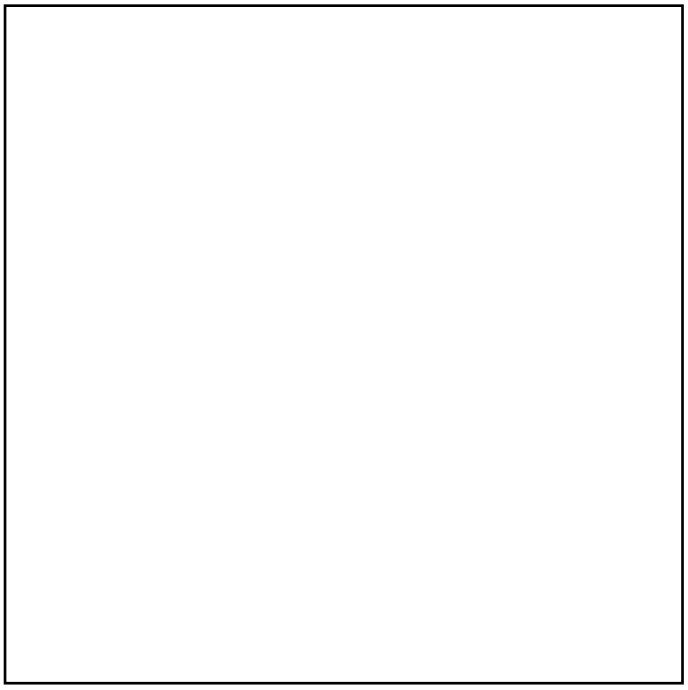
Measure and Calculate the Perimeter of a Rectilinear Figure

Aim: I can measure and calculate the perimeter of a square and a rectangle.

The Perimeter of Squares

Measure the length of one side of each square and multiply to find the perimeter.

1.



1 side =_____

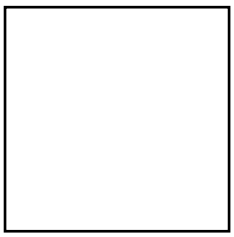
perimeter =_____

2.

1 side =_____

perimeter =_____

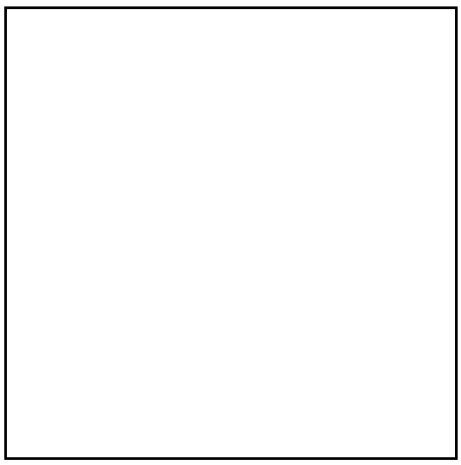
3.



1 side =_____

perimeter =_____

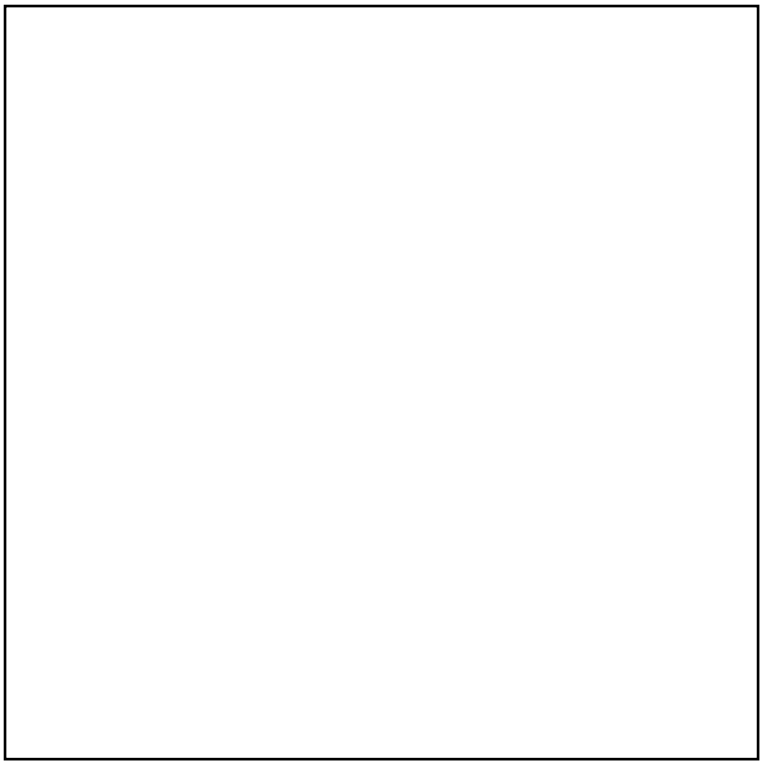
4.



1 side =_____

perimeter =_____

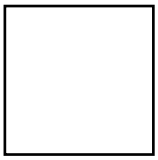
5.



1 side =_____

perimeter =_____

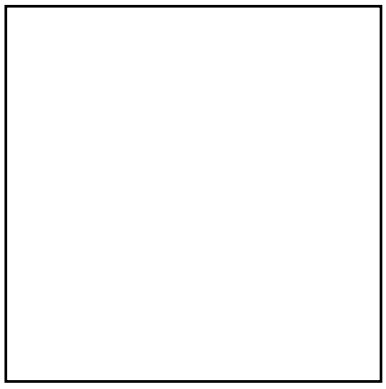
6.



1 side =_____

perimeter =_____

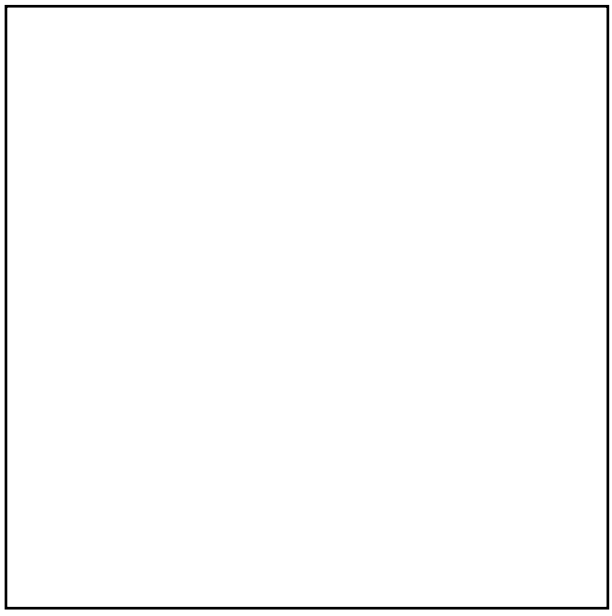
7.



1 side =_____

perimeter =_____

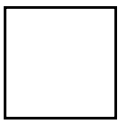
8.



1 side =_____

perimeter =_____

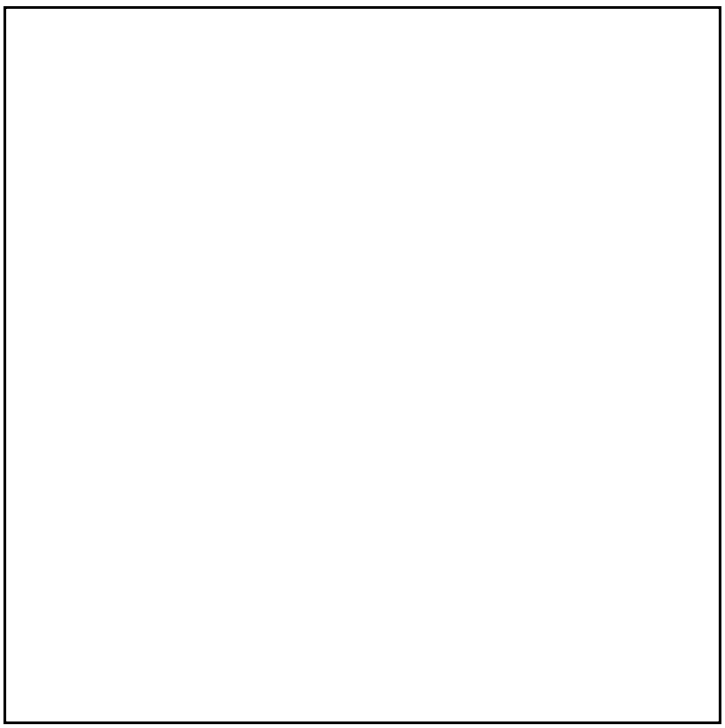
9.



1 side =_____

perimeter =_____

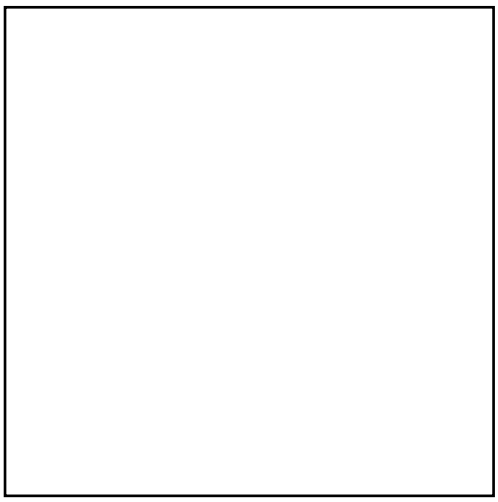
10.



1 side =_____

perimeter =_____

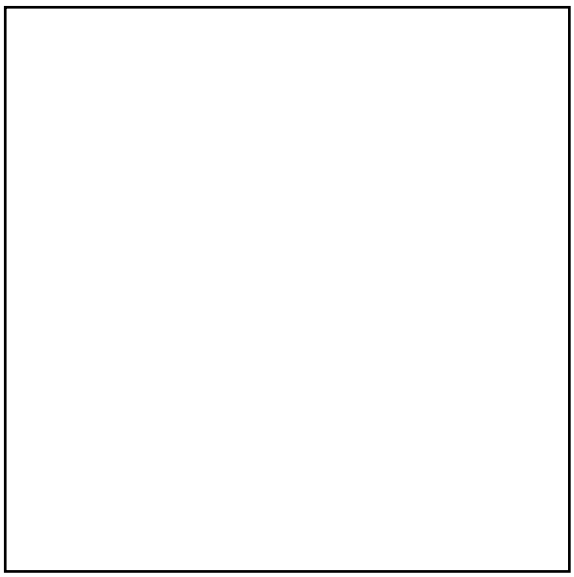
11.



1 side =_____

perimeter =_____

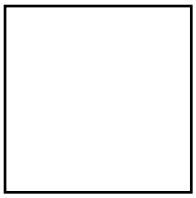
12.



1 side =_____

perimeter =_____

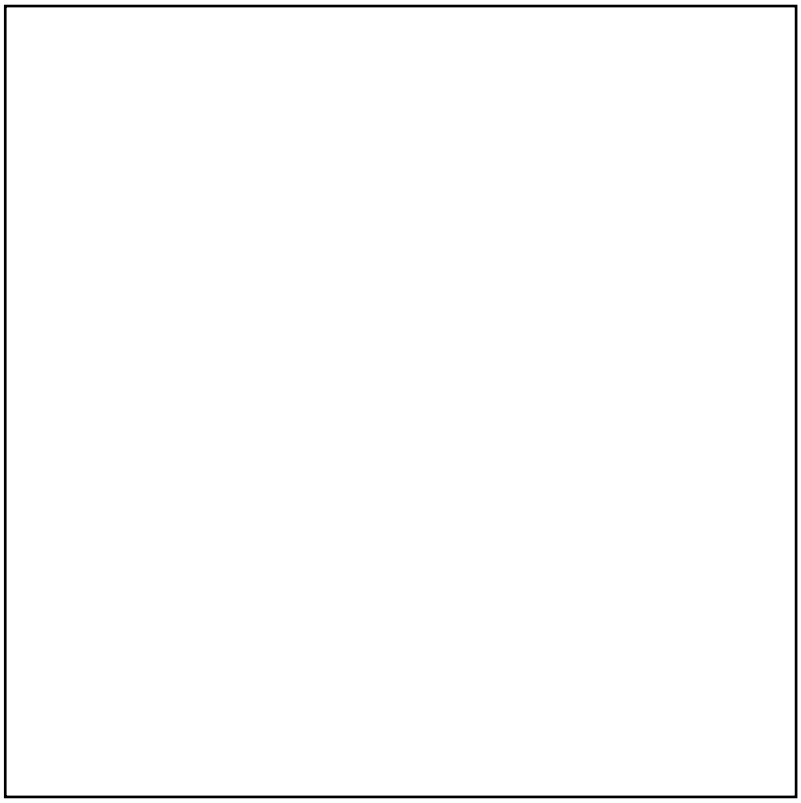
13.



1 side =_____

perimeter =_____

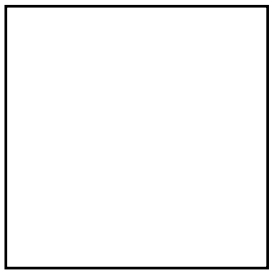
14.



1 side =_____

perimeter =_____

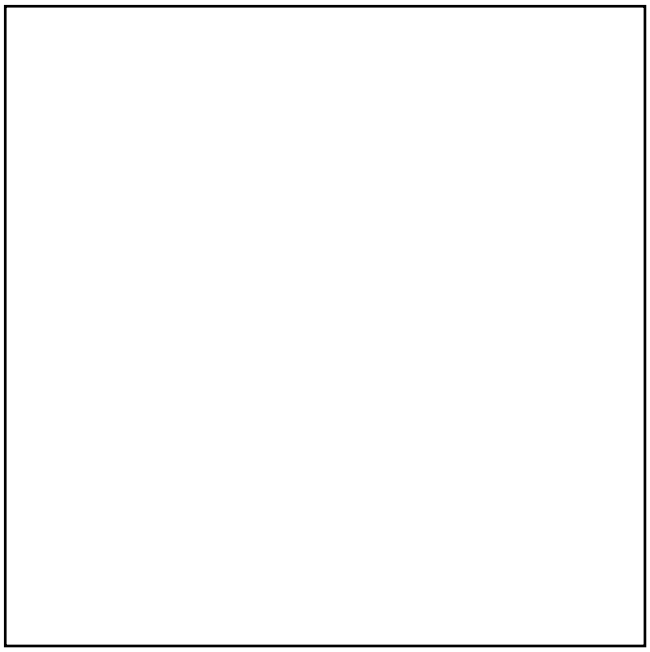
15.



1 side =_____

perimeter =_____

16.



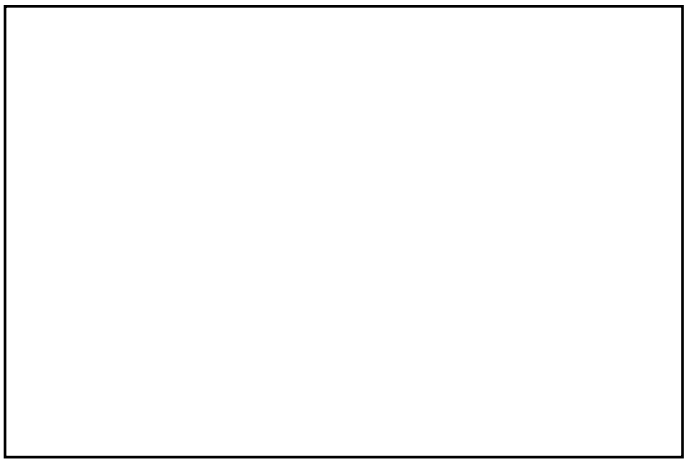
1 side =_____

perimeter =_____

The Perimeter of Rectangles

Measure the length of two sides of each rectangle, add together and multiply to find the perimeter.

1.



side 1 =_____

side 2 =_____

perimeter =_____

2.

side 1 =_____

side 2 =_____

perimeter =_____

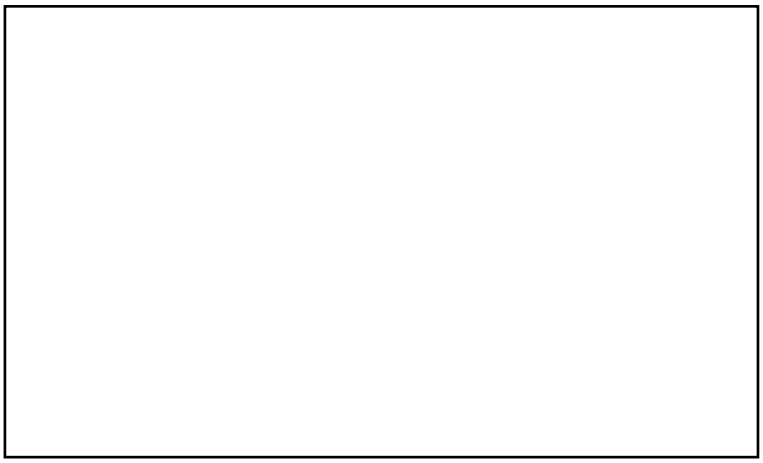
3.

side 1 =_____

side 2 =_____

perimeter =_____

4.

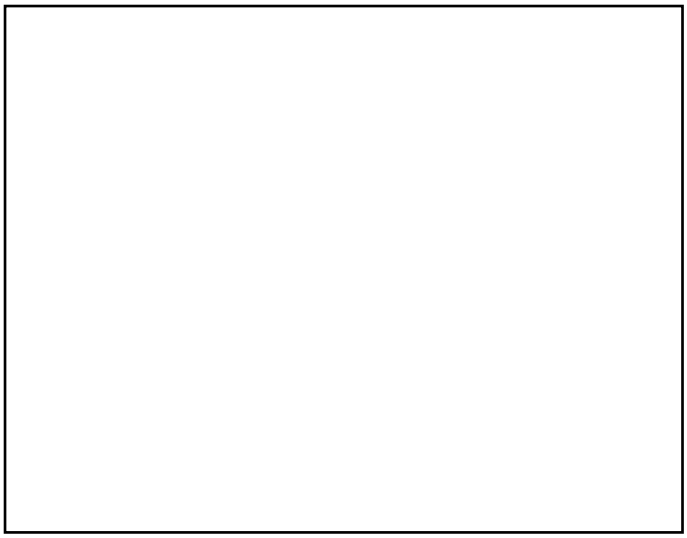


side 1 =_____

side 2 =_____

perimeter =_____

5.

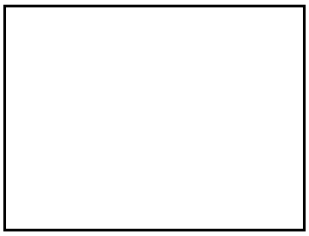


side 1 =_____

side 2 =_____

perimeter =_____

6.



side 1 =_____

side 2 =_____

perimeter =_____

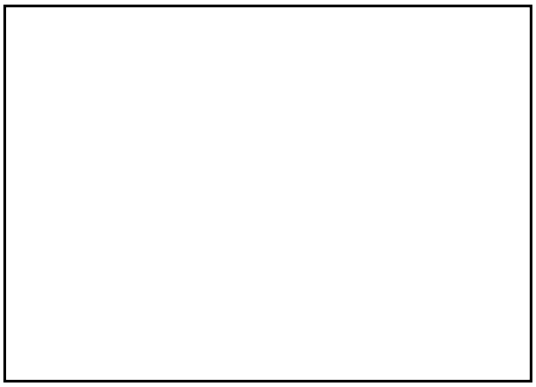
7.

side 1 =_____

side 2 =_____

perimeter =_____

8.



side 1 =_____

side 2 =_____

perimeter =_____

9.

side 1 =_____

side 2 =_____

perimeter =_____

10.

side 1 =_____

side 2 =_____

perimeter =_____

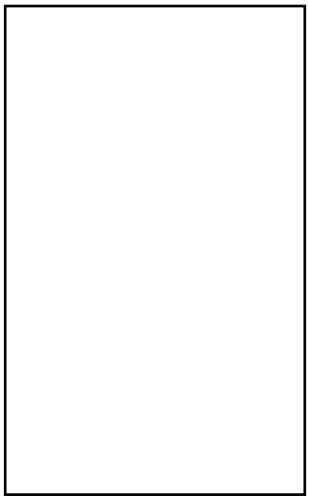
11.

side 1 =_____

side 2 =_____

perimeter =_____

12.

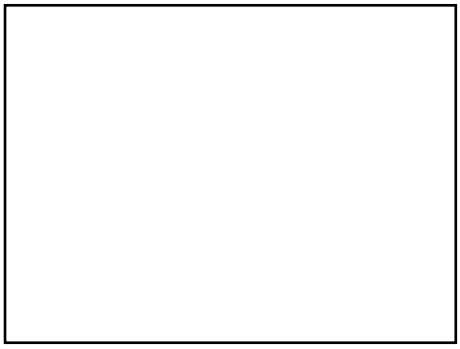


side 1 =_____

side 2 =_____

perimeter =_____

13.



side 1 =_____

side 2 =_____

perimeter =_____

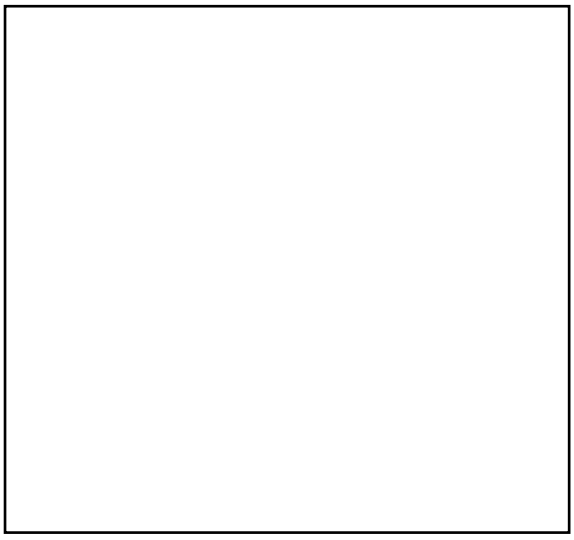
14.

side 1 =_____

side 2 =_____

perimeter =_____

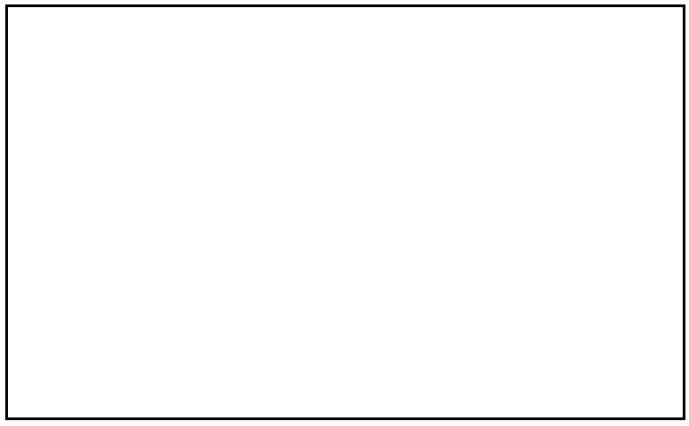
15.



side 1 =_____,side 2 =_____

perimeter =_____

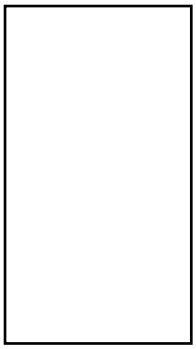
16.



side 1 =_____,side 2 =_____

perimeter =_____

17.



side 1 =_____

side 2 =_____

perimeter =_____

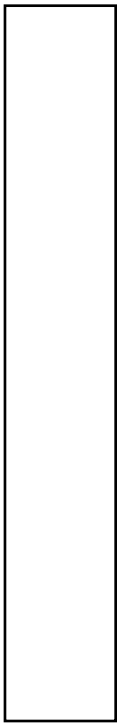
18.

side 1 =_____

side 2 =_____

perimeter =_____

19.

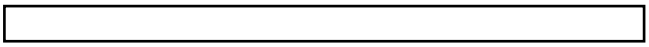


side 1 =_____

side 2 =_____

perimeter =_____

20.



side 1 =_____

side 2 =_____

perimeter =_____

Measure and Calculate the Perimeter of a Rectilinear Figure **Answers**

The Perimeter of Squares

1. side 1 = 9cm
   perimeter = 36cm
2. side 1 = 1cm
   perimeter = 4cm
3. side 1 = 3cm
   perimeter = 12cm
4. side 1 = 6cm
   perimeter = 24cm
5. side 1 = 10cm
   perimeter = 40cm
6. side 1 = 2cm
   perimeter = 8cm
7. side 1 = 5cm
   perimeter = 20cm
8. side 1 = 8cm
   perimeter = 32cm
9. side 1 = 1.5cm
   perimeter = 6cm
10. side 1 = 9.5cm
    perimeter = 38cm
11. side 1 = 6.5cm
    perimeter = 26cm
12. side 1 = 7.5cm
    perimeter = 30cm
13. side 1 = 2.5cm
    perimeter = 10cm
14. side 1 = 10.5cm
    perimeter = 42cm
15. side 1 = 3.5cm
    perimeter = 14cm
16. side 1 = 8.5cm
    perimeter = 34cm

The Perimeter of Rectangles

1. side 1 = 6cm
   side 2 = 9cm
   perimeter = 30cm
2. side 1 = 2cm
   side 2 = 1cm
   perimeter = 6cm
3. side 1 = 4cm
   side 2 = 2cm
   perimeter = 12cm
4. side 1 = 10cm
   side 2 = 6cm
   perimeter = 32cm
5. side 1 = 9cm
   side 2 = 7cm
   perimeter = 32cm
6. side 1 = 4cm
   side 2 = 3cm
   perimeter = 14cm
7. side 1 = 9cm
   side 2 = 3cm
   perimeter = 24cm
8. side 1 = 7cm
   side 2 = 5cm
   perimeter = 24cm
9. side 1 = 1cm
   side 2 = 6cm
   perimeter = 14cm
10. side 1 = 7cm
    side 2 = 2cm
    perimeter = 18cm
11. side 1 = 1.5cm
    side 2 = 3cm
    perimeter = 9cm
12. side 1 = 4cm
    side 2 = 6.5cm
    perimeter = 21cm
13. side 1 = 4.5cm
    side 2 = 6cm
    perimeter = 21cm
14. side 1 = 9cm
    side 2 = 2.5cm
    perimeter = 23cm
15. side 1 = 7.5cm
    side 2 = 7cm
    perimeter = 29cm
16. side 1 = 9cm
    side 2 = 5.5cm
    perimeter = 29cm
17. side 1 = 2.5cm
    side 2 = 4.5cm
    perimeter = 14cm
18. side 1 = 7.5cm
    side 2 = 3.5cm
    perimeter = 22cm
19. side 1 = 9.5cm
    side 2 = 1.5cm
    perimeter = 22cm
20. side 1 = 0.5cm
    side 2 = 8.5cm
    perimeter = 18cm

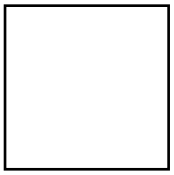
Measure and Calculate the Perimeter of a Rectilinear Figure

Aim: I can measure and calculate the perimeter of a square and a rectangle.

The Perimeter of Squares

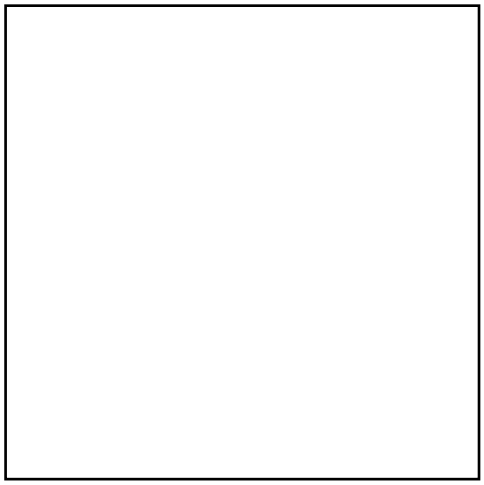
Measure the length of one side of each square and use to calculate the perimeter.

1.



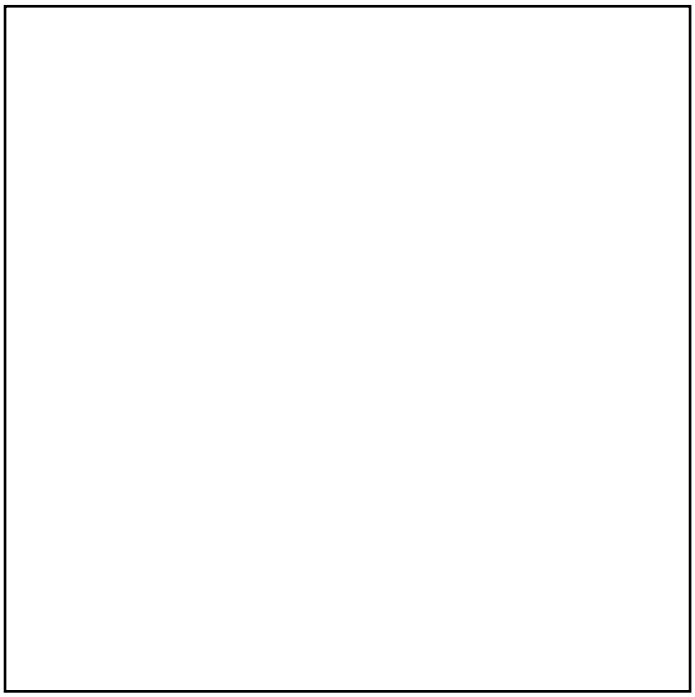
perimeter =_____

2.



perimeter =_____

3.

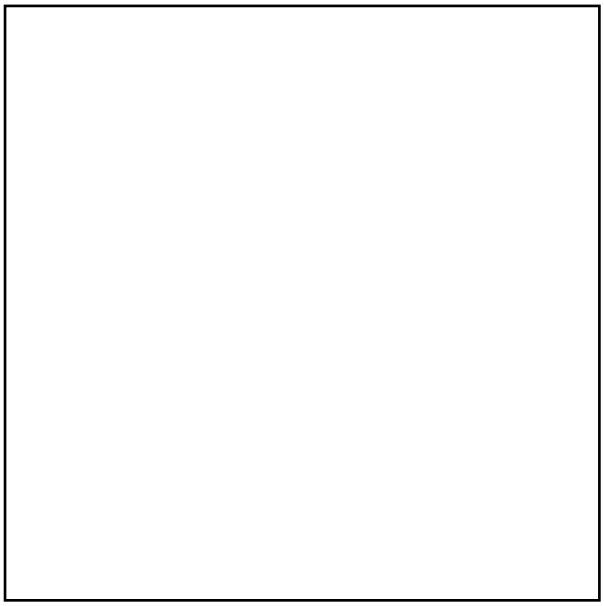


perimeter =_____

4.

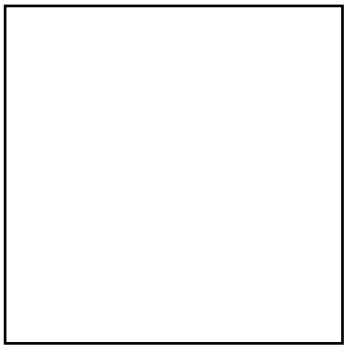
perimeter =_____

5.



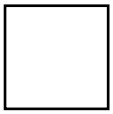
perimeter =_____

6.



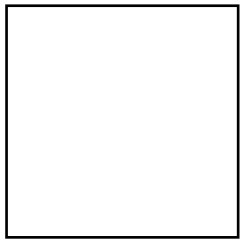
perimeter =_____

7.



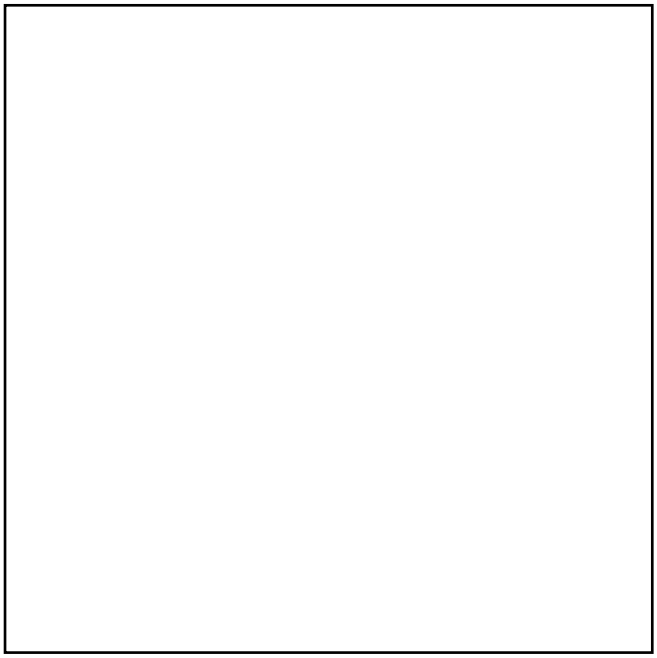
perimeter =_____

8.



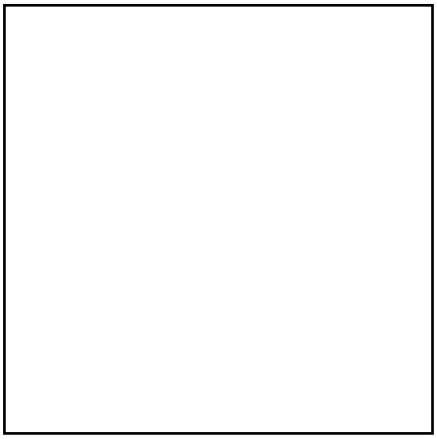
perimeter =_____

9.



perimeter =_____

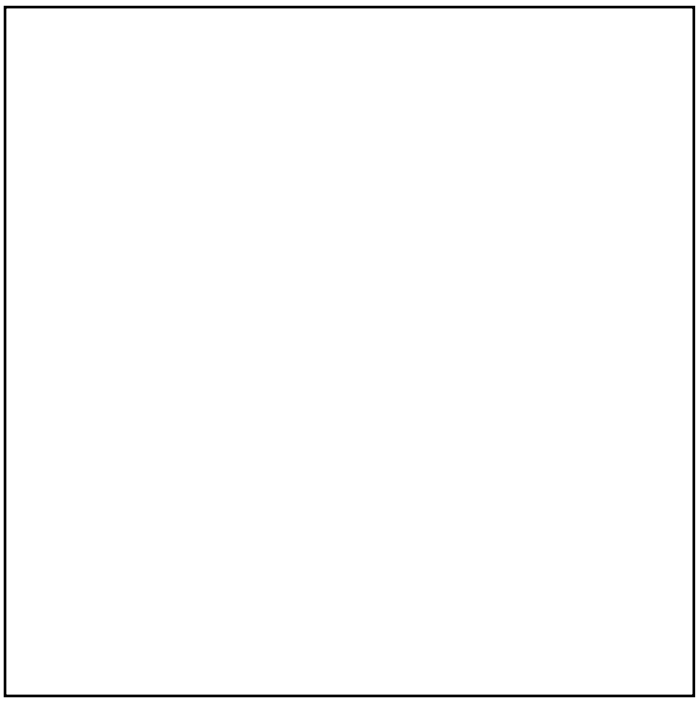
10.



perimeter =_____

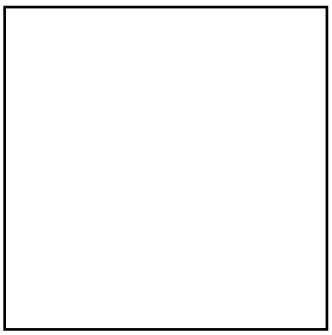
Calculate the perimeter of the following squares (the squares are not to scale).

11.



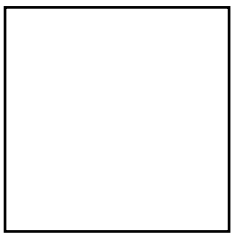
perimeter =_____

12.



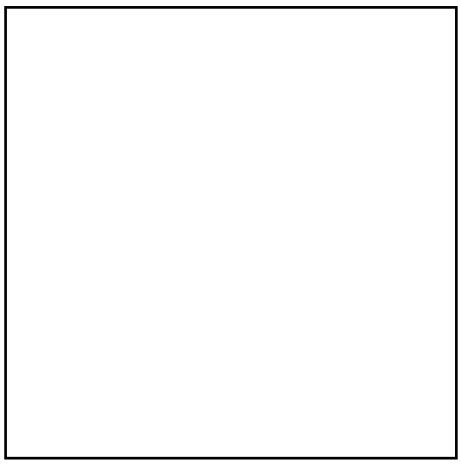
perimeter =_____

13.



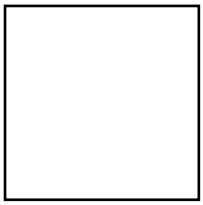
perimeter =_____

14.



perimeter =_____

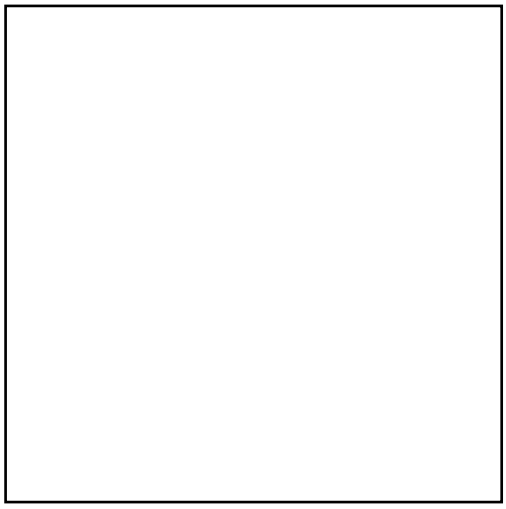
15.



29mm

perimeter =_____

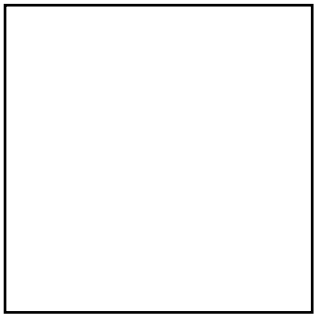
16.



82m

perimeter =_____

17.

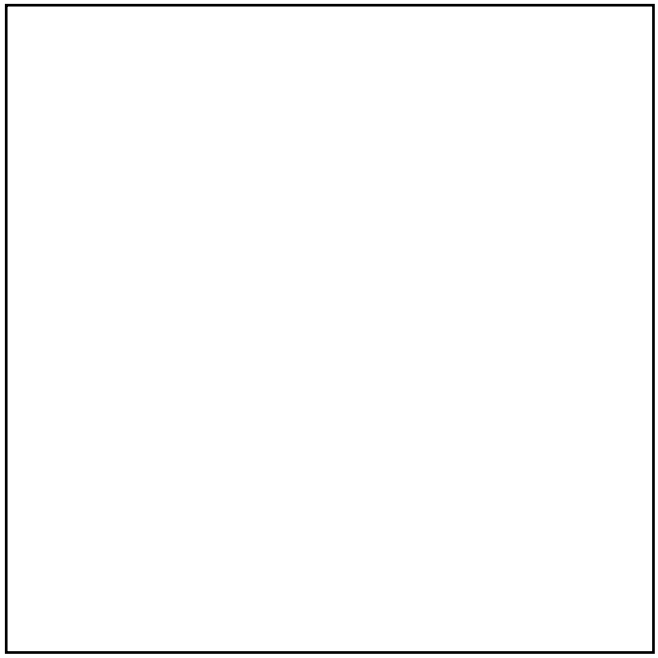


64cm

perimeter =_____

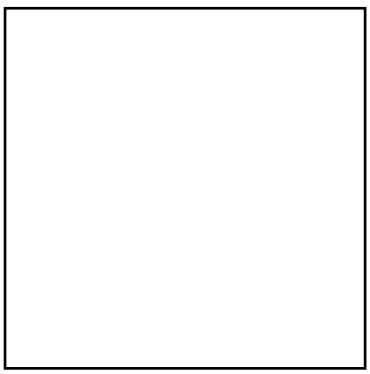
18.

107m



perimeter =_____

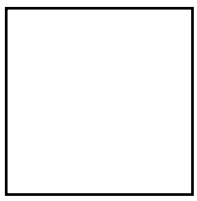
19.



3km

perimeter =_____

20.



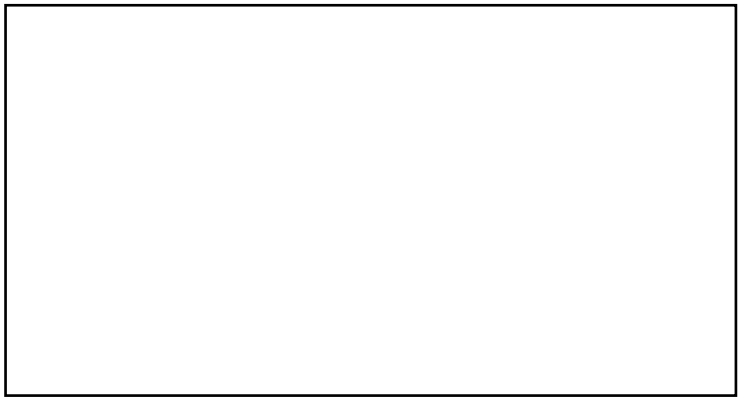
90mm

perimeter =_____

The Perimeter of Rectangles

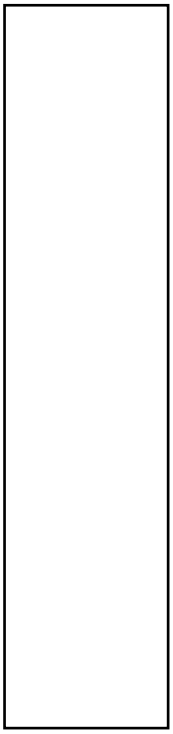
Measure the length of two sides of each rectangle and use to calculate the perimeter.

1.



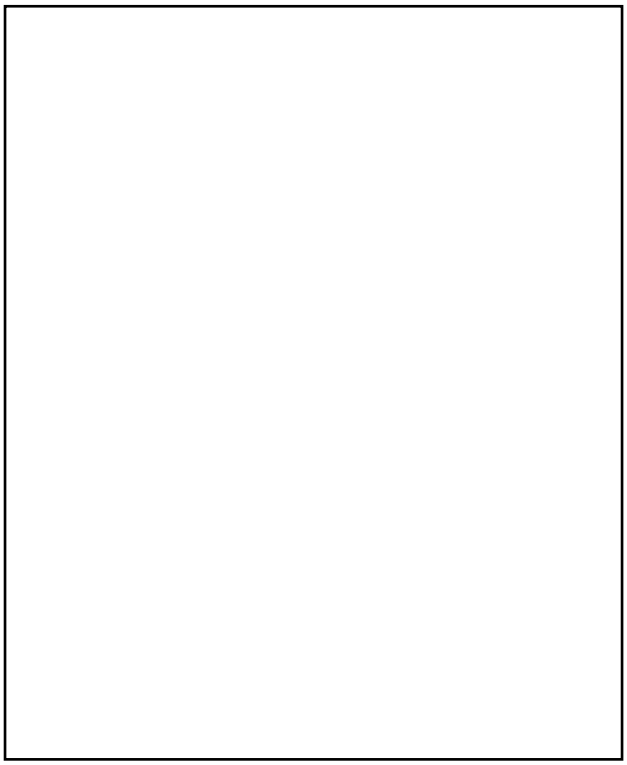
perimeter =_____

2.



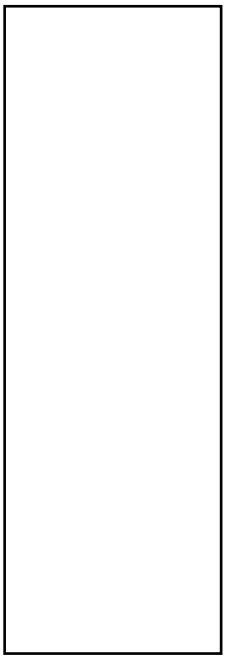
perimeter =_____

3.



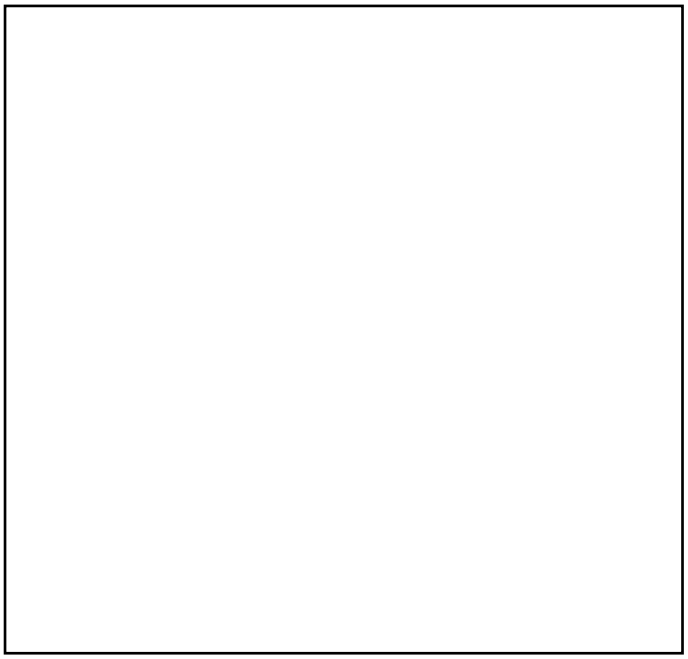
perimeter =_____

4.



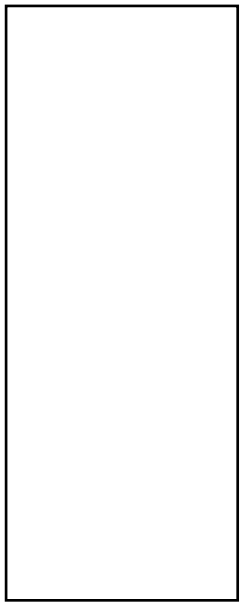
perimeter =_____

5.



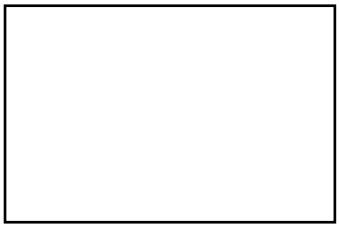
perimeter =_____

6.



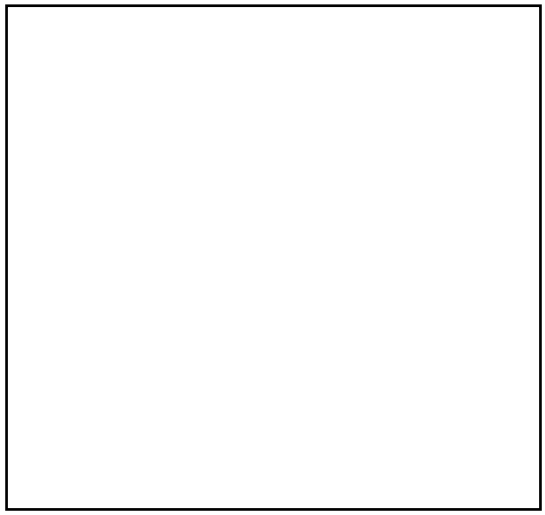
perimeter =_____

7.



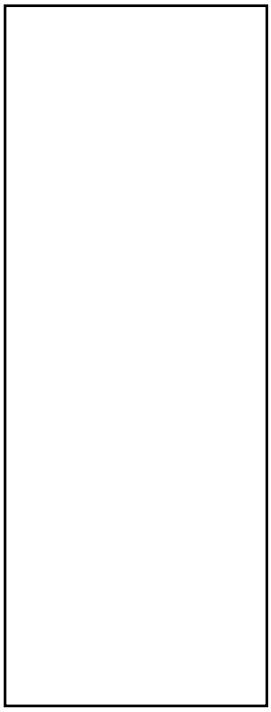
perimeter =_____

8.



perimeter =_____

9.



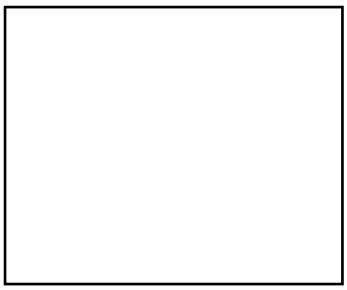
perimeter =_____

10.

perimeter =_____

Calculate the perimeter of each rectangle. (The rectangles are not to scale.)

11.



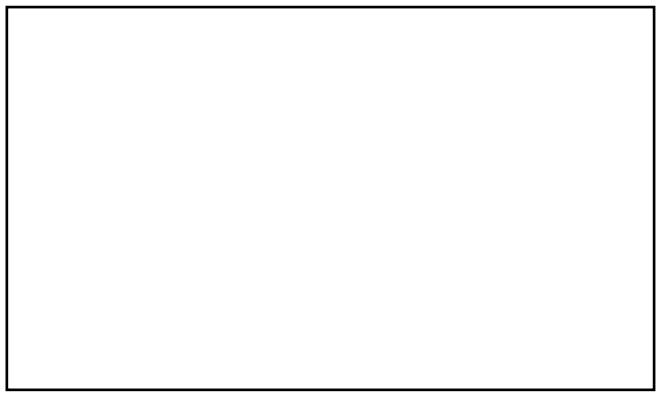
37mm

45mm

perimeter =_____

12.

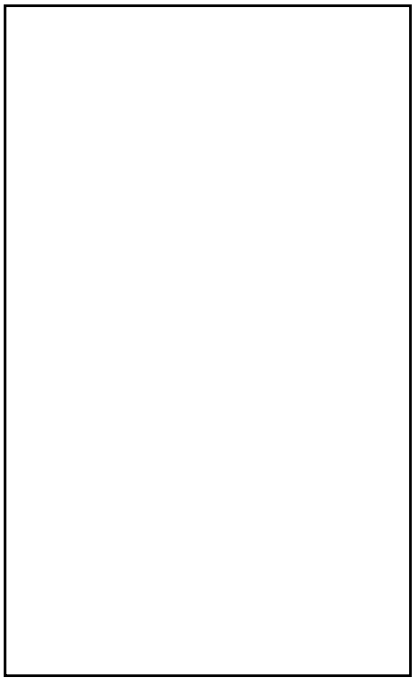
51cm



86cm

perimeter =_____

13.

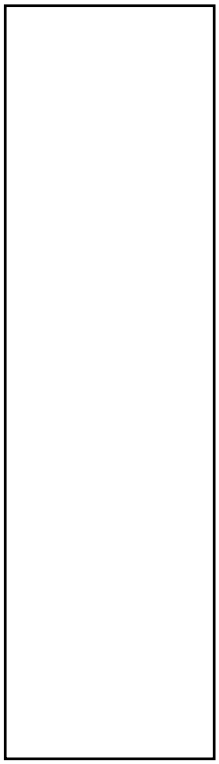


89km

54km

perimeter =_____

14.



100km

28km

perimeter =_____

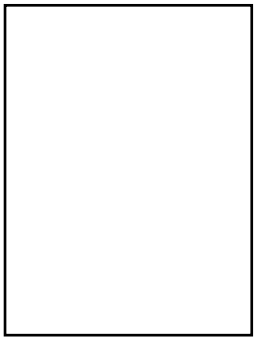
15.

perimeter =_____

16.

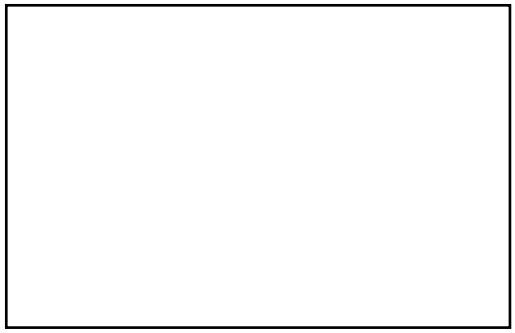
perimeter =_____

17.



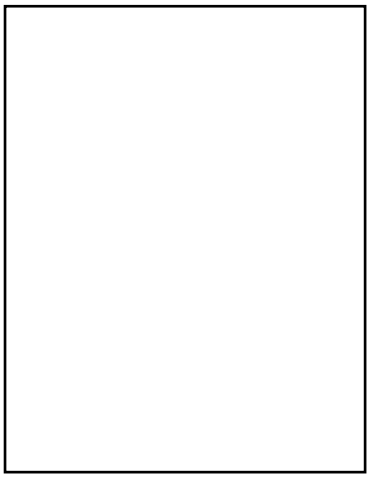
perimeter =_____

18.



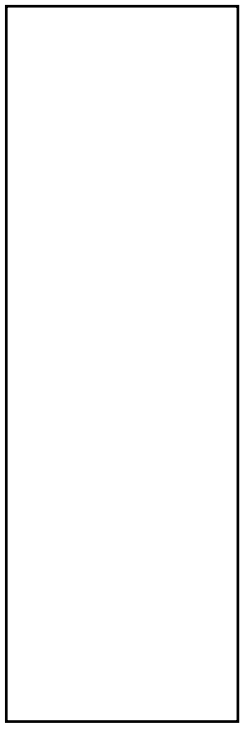
perimeter =_____

19.



perimeter =_____

20.



perimeter =_____

Measure and Calculate the Perimeter of a Rectilinear Figure **Answers**

The Perimeter of Squares

1. perimeter = 88mm
2. perimeter = 252mm
3. perimeter = 364mm
4. perimeter = 36mm
5. perimeter = 316mm
6. perimeter = 180mm
7. perimeter = 56mm
8. perimeter = 124mm
9. perimeter = 344mm
10. perimeter = 228mm
11. perimeter = 28km
12. perimeter = 164m
13. perimeter = 140cm
14. perimeter = 312m
15. perimeter = 116mm
16. perimeter = 328m
17. perimeter = 256cm
18. perimeter = 428m
19. perimeter = 12km
20. perimeter = 360mm

The Perimeter of Rectangles

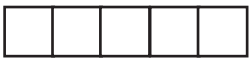
1. perimeter = 298mm
2. perimeter = 236mm
3. perimeter = 364mm
4. perimeter = 230mm
5. perimeter = 352mm
6. perimeter = 220mm
7. perimeter = 146mm
8. perimeter = 276mm
9. perimeter = 256mm
10. perimeter = 228mm
11. perimeter = 164mm
12. perimeter = 274cm
13. perimeter = 286km
14. perimeter = 256km
15. perimeter = 182m
16. perimeter = 100mm
17. perimeter = 154cm
18. perimeter = 220m
19. perimeter = 220m
20. perimeter = 252mm

Adding and Subtracting Fractions with the Same Denominator

Aim: To add fractions with the same denominator.

For each pair of fractions shade the correct fraction of the shape and add to find the answer.

1. $\frac{2}{5} + \frac{1}{5} =$ ____



2. $\frac{1}{3} + \frac{2}{3} =$ ____

3. $\frac{1}{3} + \frac{1}{3} =$ ____

4. $\frac{2}{4} + \frac{1}{4} =$ ____

5. $\frac{3}{5} + \frac{2}{5} =$ ____

6. $\frac{3}{5} + \frac{1}{5} =$ ____

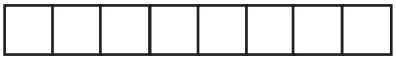
7. $\frac{3}{6} + \frac{1}{6} =$ ____

8. $\frac{2}{6} + \frac{3}{6} =$ ____

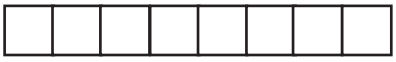
9. $\frac{4}{7} + \frac{2}{7} =$ ____

10. $\frac{1}{7} + \frac{5}{7} =$ ____

11. $\frac{3}{8} + \frac{2}{8} =$ ____



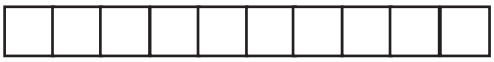
12. $\frac{3}{8} + \frac{3}{8} =$ ____



13. $\frac{5}{9} + \frac{3}{9} =$ ____

14. $\frac{3}{10} + \frac{1}{10} =$ ____

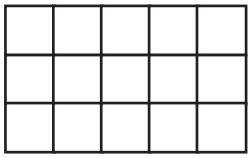
15. $\frac{3}{10} + \frac{3}{10} =$ ____



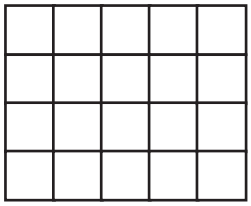
16. $\frac{5}{12} + \frac{1}{12} =$ ____

17. $\frac{3}{12} + \frac{4}{12} =$ ____

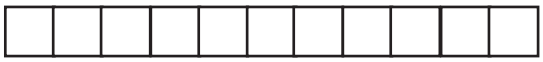
18. $\frac{2}{15} + \frac{8}{15} =$ ____



19. $\frac{3}{20} + \frac{9}{20} =$ ____



20. $\frac{2}{11} + \frac{5}{11} =$ ____

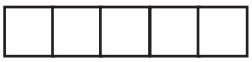


Adding and Subtracting Fractions with the Same Denominator

Aim: To subtract fractions with the same denominator.

For each pair of fractions shade the larger fraction of the shape and cross out the smaller fraction to find the answer.

1. $\frac{2}{5} - \frac{1}{5} =$ ____



2. $\frac{2}{3} - \frac{1}{3} =$ ____

3. $\frac{1}{3} - \frac{1}{3} =$ ____

4. $\frac{2}{4} - \frac{1}{4} =$ ____

5. $\frac{3}{5} - \frac{2}{5} =$ ____

6. $\frac{3}{5} - \frac{1}{5} =$ ____

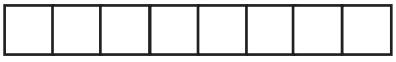
7. $\frac{5}{6} - \frac{1}{6} =$ ____

8. $\frac{4}{6} - \frac{3}{6} =$ ____

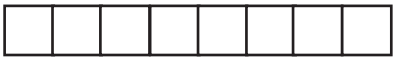
9. $\frac{4}{7} - \frac{2}{7} =$ ____

10. $\frac{6}{7} - \frac{3}{7} =$ ____

11. $\frac{5}{8} - \frac{4}{8} =$ ____



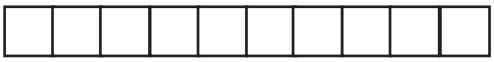
12. $\frac{7}{8} - \frac{3}{8} =$ ____



13. $\frac{6}{10} - \frac{3}{10} =$ ____

14. $\frac{3}{10} - \frac{1}{10} =$ ____

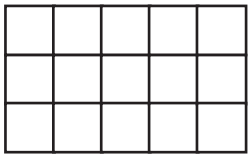
15. $\frac{8}{10} - \frac{3}{10} =$ ____



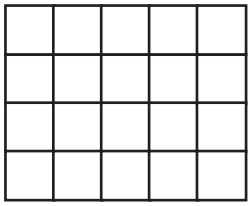
16. $\frac{5}{12} - \frac{1}{12} =$ ____

17. $\frac{11}{12} - \frac{1}{12} =$ ____

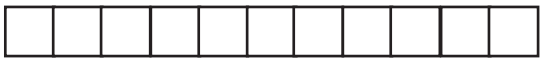
18. $\frac{8}{15} - \frac{2}{15} =$ ____



19. $\frac{9}{20} - \frac{3}{20} =$ ____



20. $\frac{5}{11} - \frac{2}{11} =$ ____



Adding and Subtracting Fractions with the Same Denominator- Answers

For each pair of fractions shade the correct fraction of the shape and add to find the answer.

1. $\frac{2}{5} + \frac{1}{5} = \mathbf{\frac{3}{5}}$
2. $\frac{1}{3} + \frac{2}{3} = \mathbf{1}$
3. $\frac{1}{3} + \frac{1}{3} = \mathbf{\frac{2}{3}}$
4. $\frac{2}{4} + \frac{1}{4} = \mathbf{\frac{3}{4}}$
5. $\frac{3}{5} + \frac{2}{5} = \mathbf{1}$
6. $\frac{3}{5} + \frac{1}{5} = \mathbf{\frac{4}{5}}$
7. $\frac{3}{6} + \frac{1}{6} = \mathbf{\frac{4}{6}}$
8. $\frac{2}{6} + \frac{3}{6} = \mathbf{\frac{5}{6}}$
9. $\frac{4}{7} + \frac{2}{7} = \mathbf{\frac{6}{7}}$
10. $\frac{1}{7} + \frac{5}{7} = \mathbf{\frac{6}{7}}$
11. $\frac{3}{8} + \frac{2}{8} = \mathbf{\frac{5}{8}}$
12. $\frac{3}{8} + \frac{3}{8} = \mathbf{\frac{6}{8}}$
13. $\frac{5}{9} + \frac{3}{9} = \mathbf{\frac{8}{9}}$
14. $\frac{3}{10} + \frac{1}{10} = \mathbf{\frac{4}{10}}$
15. $\frac{3}{10} + \frac{3}{10} = \mathbf{\frac{6}{10}}$
16. $\frac{5}{12} + \frac{1}{12} = \mathbf{\frac{6}{12}}$
17. $\frac{3}{12} + \frac{4}{12} = \mathbf{\frac{7}{12}}$
18. $\frac{2}{15} + \frac{8}{15} = \mathbf{\frac{10}{15}}$
19. $\frac{3}{20} + \frac{9}{20} = \mathbf{\frac{12}{20}}$
20. $\frac{2}{11} + \frac{5}{11} = \mathbf{\frac{7}{11}}$

For each pair of fractions shade the larger fraction of the shape and cross out the smaller fraction to find the answer.

1. $\frac{2}{5} - \frac{1}{5} = \mathbf{\frac{1}{5}}$
2. $\frac{2}{3} - \frac{1}{3} = \mathbf{\frac{1}{3}}$
3. $\frac{1}{3} - \frac{1}{3} = \mathbf{0}$
4. $\frac{2}{4} - \frac{1}{4} = \mathbf{\frac{1}{4}}$
5. $\frac{3}{5} - \frac{2}{5} = \mathbf{\frac{1}{5}}$
6. $\frac{3}{5} - \frac{1}{5} = \mathbf{\frac{2}{5}}$
7. $\frac{5}{6} - \frac{1}{6} = \mathbf{\frac{4}{6}}$
8. $\frac{4}{6} - \frac{3}{6} = \mathbf{\frac{1}{6}}$
9. $\frac{4}{7} - \frac{2}{7} = \mathbf{\frac{2}{7}}$
10. $\frac{6}{7} - \frac{3}{7} = \mathbf{\frac{3}{7}}$
11. $\frac{5}{8} - \frac{4}{8} = \mathbf{\frac{1}{8}}$
12. $\frac{7}{8} - \frac{3}{8} = \mathbf{\frac{4}{8}}$
13. $\frac{6}{10} - \frac{3}{10} = \mathbf{\frac{3}{10}}$
14. $\frac{3}{10} - \frac{1}{10} = \mathbf{\frac{2}{10}}$
15. $\frac{8}{10} - \frac{3}{10} = \mathbf{\frac{5}{10}}$
16. $\frac{5}{12} - \frac{1}{12} = \mathbf{\frac{4}{12}}$
17. $\frac{11}{12} - \frac{1}{12} = \mathbf{\frac{10}{12}}$
18. $\frac{8}{15} - \frac{2}{15} = \mathbf{\frac{6}{15}}$
19. $\frac{9}{20} - \frac{3}{20} = \mathbf{\frac{6}{20}}$
20. $\frac{5}{11} - \frac{2}{11} = \mathbf{\frac{3}{11}}$

Adding and Subtracting Fractions with the Same Denominator

Aim: To add fractions with the same denominator.

Add the fractions.

1. $\frac{2}{5} + \frac{1}{5} =$ ____
2. $\frac{1}{3} + \frac{2}{3} =$ ____
3. $\frac{1}{3} + \frac{1}{3} =$ ____
4. $\frac{2}{4} + \frac{1}{4} =$ ____
5. $\frac{3}{5} + \frac{2}{5} =$ ____
6. $\frac{3}{5} + \frac{1}{5} =$ ____
7. $\frac{3}{6} + \frac{1}{6} =$ ____
8. $\frac{2}{6} + \frac{3}{6} =$ ____
9. $\frac{4}{7} + \frac{2}{7} =$ ____
10. $\frac{1}{7} + \frac{5}{7} =$ ____
11. $\frac{3}{8} + \frac{2}{8} =$ ____
12. $\frac{5}{9} + \frac{3}{9} =$ ____
13. $\frac{6}{10} + \frac{3}{10} =$ ____
14. $\frac{3}{10} + \frac{1}{10} =$ ____
15. $\frac{3}{8} + \frac{3}{8} =$ ____
16. $\frac{5}{12} + \frac{1}{12} =$ ____
17. $\frac{3}{12} + \frac{4}{12} =$ ____
18. $\frac{2}{15} + \frac{8}{15} =$ ____
19. $\frac{3}{20} + \frac{9}{20} =$ ____
20. $\frac{2}{11} + \frac{5}{11} =$ ____

Adding and Subtracting Fractions with the Same Denominator

Aim: To subtract fractions with the same denominator.

Subtract the fractions.

1. $\frac{4}{5} - \frac{1}{5} =$ ____
2. $\frac{2}{3} - \frac{1}{3} =$ ____
3. $\frac{1}{3} - \frac{1}{3} =$ ____
4. $\frac{2}{4} - \frac{1}{4} =$ ____
5. $\frac{4}{5} - \frac{2}{5} =$ ____
6. $\frac{3}{5} - \frac{1}{5} =$ ____
7. $\frac{5}{6} - \frac{1}{6} =$ ____
8. $\frac{4}{6} - \frac{3}{6} =$ ____
9. $\frac{4}{7} - \frac{2}{7} =$ ____
10. $\frac{6}{7} - \frac{3}{7} =$ ____
11. $\frac{3}{8} - \frac{2}{8} =$ ____
12. $\frac{5}{9} - \frac{3}{9} =$ ____
13. $\frac{6}{10} - \frac{3}{10} =$ ____
14. $\frac{3}{10} - \frac{1}{10} =$ ____
15. $\frac{3}{8} - \frac{3}{8} =$ ____
16. $\frac{5}{12} - \frac{1}{12} =$ ____
17. $\frac{11}{12} - \frac{1}{12} =$ ____
18. $\frac{7}{12} - \frac{4}{12} =$ ____
19. $\frac{13}{15} - \frac{7}{15} =$ ____
20. $\frac{19}{20} - \frac{9}{20} =$ ____

Adding and Subtracting Fractions with the Same Denominator- Answers

Add the fractions.

1. $\frac{2}{5} + \frac{1}{5} = \mathbf{\frac{3}{5}}$
2. $\frac{1}{3} + \frac{2}{3} = \mathbf{1}$
3. $\frac{1}{3} + \frac{1}{3} = \mathbf{\frac{2}{3}}$
4. $\frac{2}{4} + \frac{1}{4} = \mathbf{\frac{3}{4}}$
5. $\frac{3}{5} + \frac{2}{5} = \mathbf{1}$
6. $\frac{3}{5} + \frac{1}{5} = \mathbf{\frac{4}{5}}$
7. $\frac{3}{6} + \frac{1}{6} = \mathbf{\frac{4}{6}}$
8. $\frac{2}{6} + \frac{3}{6} = \mathbf{\frac{5}{6}}$
9. $\frac{4}{7} + \frac{2}{7} = \mathbf{\frac{6}{7}}$
10. $\frac{1}{7} + \frac{5}{7} = \mathbf{\frac{6}{7}}$
11. $\frac{3}{8} + \frac{2}{8} = \mathbf{\frac{5}{8}}$
12. $\frac{5}{9} + \frac{3}{9} = \mathbf{\frac{8}{9}}$
13. $\frac{6}{10} + \frac{3}{10} = \mathbf{\frac{9}{10}}$
14. $\frac{3}{10} + \frac{1}{10} = \mathbf{\frac{4}{10}}$
15. $\frac{3}{8} + \frac{3}{8} = \mathbf{\frac{6}{8}}$
16. $\frac{5}{12} + \frac{1}{12} = \mathbf{\frac{6}{12}}$
17. $\frac{3}{12} + \frac{4}{12} = \mathbf{\frac{7}{12}}$
18. $\frac{2}{15} + \frac{8}{15} = \mathbf{\frac{10}{15}}$
19. $\frac{3}{20} + \frac{9}{20} = \mathbf{\frac{12}{20}}$
20. $\frac{2}{11} + \frac{5}{11} = \mathbf{\frac{7}{11}}$

Subtract the fractions.

1. $\frac{4}{5} - \frac{1}{5} = \mathbf{\frac{3}{5}}$
2. $\frac{2}{3} - \frac{1}{3} = \mathbf{\frac{1}{3}}$
3. $\frac{1}{3} - \frac{1}{3} = \mathbf{0}$
4. $\frac{2}{4} - \frac{1}{4} = \mathbf{\frac{1}{4}}$
5. $\frac{4}{5} - \frac{2}{5} = \mathbf{\frac{2}{5}}$
6. $\frac{3}{5} - \frac{1}{5} = \mathbf{\frac{2}{5}}$
7. $\frac{5}{6} - \frac{1}{6} = \mathbf{\frac{4}{6}}$
8. $\frac{4}{6} - \frac{3}{6} = \mathbf{\frac{1}{6}}$
9. $\frac{4}{7} - \frac{2}{7} = \mathbf{\frac{2}{7}}$
10. $\frac{6}{7} - \frac{3}{7} = \mathbf{\frac{3}{7}}$
11. $\frac{3}{8} - \frac{2}{8} = \mathbf{\frac{1}{8}}$
12. $\frac{5}{9} - \frac{3}{9} = \mathbf{\frac{2}{9}}$
13. $\frac{6}{10} - \frac{3}{10} = \mathbf{\frac{3}{10}}$
14. $\frac{3}{10} - \frac{1}{10} = \mathbf{\frac{2}{10}}$
15. $\frac{3}{8} - \frac{3}{8} = \mathbf{0}$
16. $\frac{5}{12} - \frac{1}{12} = \mathbf{\frac{4}{12}}$
17. $\frac{11}{12} - \frac{1}{12} = \mathbf{\frac{10}{12}}$
18. $\frac{7}{12} - \frac{4}{12} = \mathbf{\frac{3}{12}}$
19. $\frac{13}{15} - \frac{7}{15} = \mathbf{\frac{6}{15}}$
20. $\frac{19}{20} - \frac{9}{20} = \mathbf{\frac{10}{20}}$

Adding and Subtracting Fractions with the Same Denominator

Aim: To add and subtract fractions with the same denominator.

For each fraction write a pair of fractions that total the given fraction.

1. ___ + ___ = $\frac{2}{3}$
2. ___ + ___ = $\frac{3}{4}$
3. ___ + ___ = $\frac{5}{6}$
4. ___ + ___ = $\frac{3}{7}$
5. ___ + ___ = $\frac{5}{8}$
6. ___ + ___ = $\frac{7}{9}$
7. ___ + ___ = $\frac{9}{10}$
8. ___ + ___ = $\frac{7}{12}$
9. ___ + ___ = $\frac{13}{15}$
10. ___ + ___ = $\frac{17}{20}$

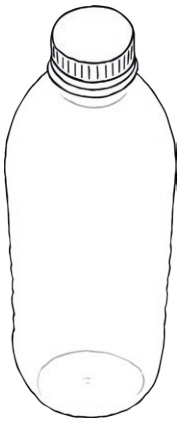
For each fraction write a pair of fractions where the difference is the given fraction.

1. ___ − ___ = $\frac{2}{3}$
2. ___ − ___ = $\frac{3}{4}$
3. ___ − ___ = $\frac{5}{6}$
4. ___ − ___ = $\frac{3}{7}$
5. ___ − ___ = $\frac{5}{8}$
6. ___ − ___ = $\frac{7}{9}$
7. ___ − ___ = $\frac{9}{10}$
8. ___ − ___ = $\frac{7}{12}$
9. ___ − ___ = $\frac{13}{15}$
10. ___ − ___ = $\frac{17}{20}$

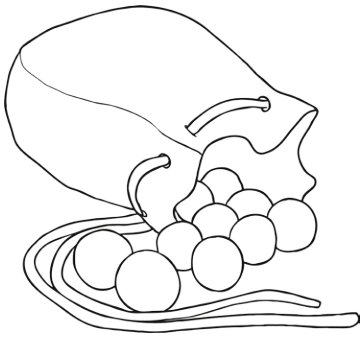
Adding and Subtracting Fractions with the Same Denominator – Answers

There are many possible answers.

One-Step Multiplication Word Problems

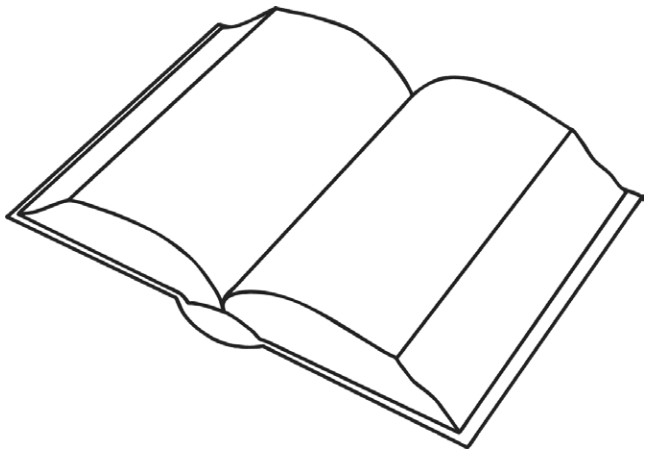


1. A teacher asks some children to arrange some chairs into 12 rows of eight chairs. How many chairs will be laid out?_____
2. A crate contains 32 packs of four water bottles. How many bottles are there on each crate? _____
3. A photo album contains 28 pages. Each page can hold six photos. How many photos can each album hold?_____
4. A grocer has 37 packs of bananas. Each pack contains seven bananas. How many bananas are in the packs? _____



5. Marbles are sold in bags of 25. A shop has 16 bags. How many marbles are there altogether? _____
6. A badminton tournament is arranged at a local sports hall. There are 5 courts. Each court is allocated 18 shuttlecocks. How many shuttlecocks are allocated to the 5 courts? _____

7. Envelopes are sold in packs of ten. A supplier has 107 packs of envelopes. How many envelopes has the supplier? _____
8. A library has 50 shelves. Each shelf has 38 books. How many books are there in the library?_____



One-Step Multiplication Word Problems **Answers**

1. A teacher asks some children to arrange some chairs into 12 rows of eight chairs. How many chairs will be laid out? **96 chairs**
2. A crate contains 32 packs of four water bottles. How many bottles are there on each crate? **128 bottles**
3. A photo album contains 28 pages. Each page can hold six photos. How many photos can each album hold? **168 photos**
4. A grocer has 37 packs of bananas. Each pack contains seven bananas. How many bananas are in the packs? **259 bananas**
5. Marbles are sold in bags of 25. A shop has 16 bags. How many marbles are there altogether? **400 marbles**
6. A badminton tournament is arranged at a local sports hall. There are 5 courts. Each court is allocated 18 shuttlecocks. How many shuttlecocks are allocated to the 5 courts? **90 shuttlecocks**
7. Envelopes are sold in packs of ten. A supplier has 107 packs of envelopes. How many envelopes has the supplier? 1**070 envelopes**
8. A library has 50 shelves. Each shelf has 38 books. How many books are there in the library? **1900 books**

Roman Numerals Maths Mastery

Aim: I can recognise the value of Roman numerals.

Continue the following Roman numeral sequences by writing the next 4 numbers.

1. XV, XX, XXV, XXX, _____
2. XXII, XX, XVIII, XVI, _____
3. XV, XVIII, XXI, XXIV, _____
4. L, LX, LXX, LXXX, _____
5. LXXXI, LXXII, LXIII, LIV, _____

Order the following sets of Roman numerals from smallest to largest.

6.

XV	XII	IX	XVI	XIV

7.

XXXII	XXIX	XXV	XXX	XXXV

8.

LV	XLV	L	LI	XLIX

9.

XXXV	XXVII	XXXII	XXIV	XXIX

10.

LXI	XCIX	XLIX	C	XCV

Here are some Roman numerals. Some of the numerals are not written in the correct format. Circle any numbers that are incorrect. In the space below, explain the mistakes.

XIX XXXXI LXIVX XXC LXXVIII XIL VIII

_____

_____

_____

_____

_____

Roman Numerals Maths Mastery Answers

Continue the following Roman numeral sequences by writing the next 4 numbers.

1. XV, XX, XXV, XXX, **XXXV, XL, XLV, L**
2. XXII, XX, XVIII, XVI, **XIV, XII, X, VIII**
3. XV, XVIII, XXI, XXIV, **XXVII, XXX, XXXIII, XXXVI**
4. L, LX, LXX, LXXX, **XC, C, CX, CXX**
5. LXXXI, LXXII, LXIII, LIV, **XLV, XXXVI, XXVII, XVIII**

Order the following sets of Roman numerals from smallest to largest.

6.

XV	XII	IX	XVI	XIV
IX	**XII**	**XIV**	**XV**	**XVI**

7.

XXXII	XXIX	XXV	XXX	XXXV
XXV	**XXIX**	**XXX**	**XXXII**	**XXXV**

8.

LV	XLV	L	LI	XLIX
XLV	**XLIX**	**L**	**LI**	**LV**

9.

XXXV	XXVII	XXXII	XXIV	XXIX
XXIV	**XXVII**	**XXIX**	**XXXII**	**XXXV**

10.

LXI	XCIX	XLIX	C	XCV
LXI	**XLIX**	**XCV**	**C**	**CV**

Here are some Roman numerals. Some of the numerals are not written in the correct format. Circle any numbers that are incorrect. In the space below, explain the mistakes.

XIX XXXXI LXIVX XXC LXXVIII XIL VIII

Other explanations may be valid.

XXXX – 4 consecutive X should not be used to make 40. It should be XL.
LXIVX – IV should not go before X to make 6. Should be LXVI.
XXC – 2 consecutive X should not go before C to subtract 20. 80 should be LXXX
XIL – XI should not go before L to subtract 11. 39 should be XXXIX.

Finding Factors

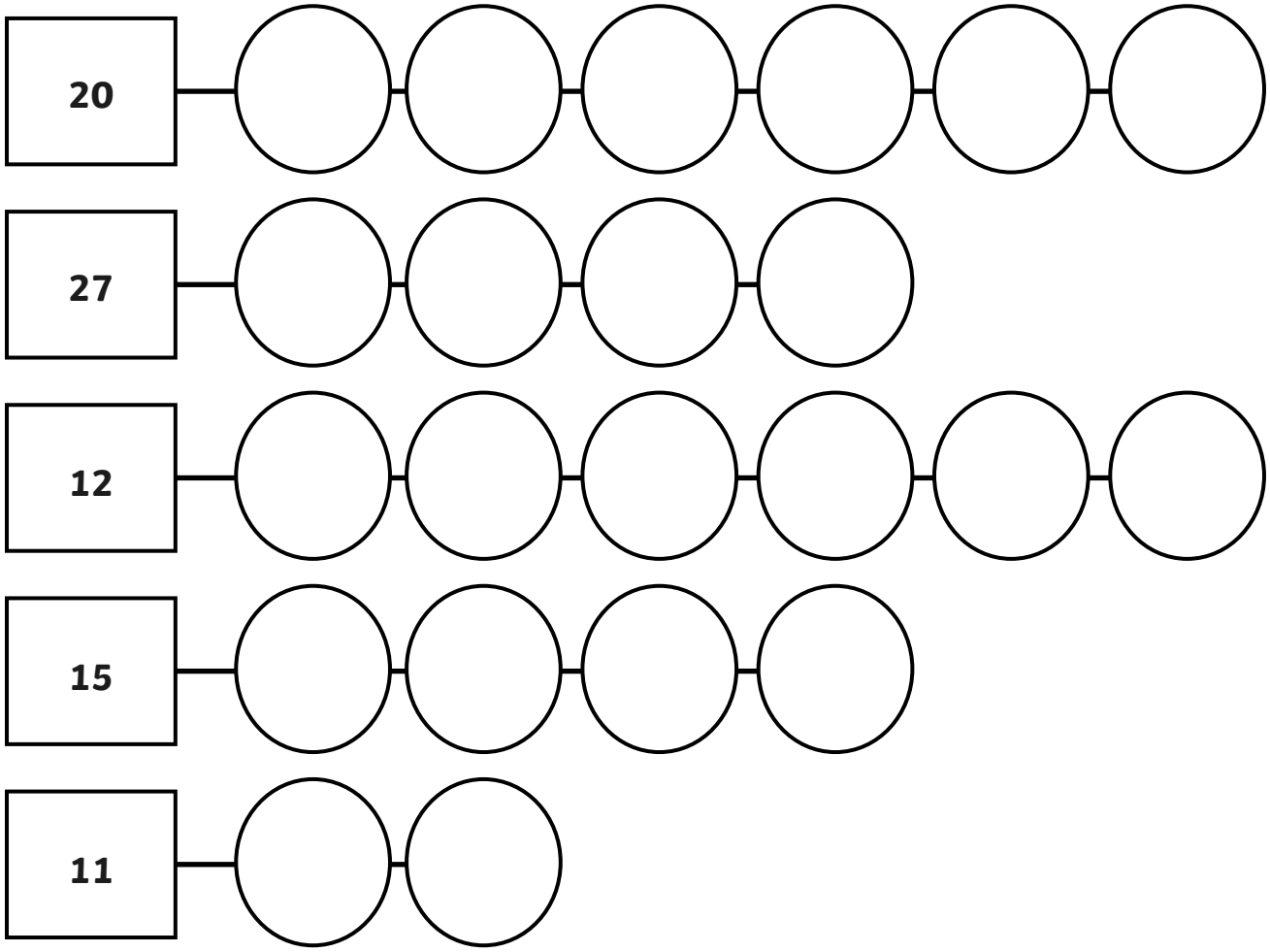
I can find factors of numbers.

To find the **factors** of a number, you need to find all the pairs of numbers that multiply together to make a **product**.

2 × 5 = 10

2 and 5 are **factors**. 10 is the **product.**

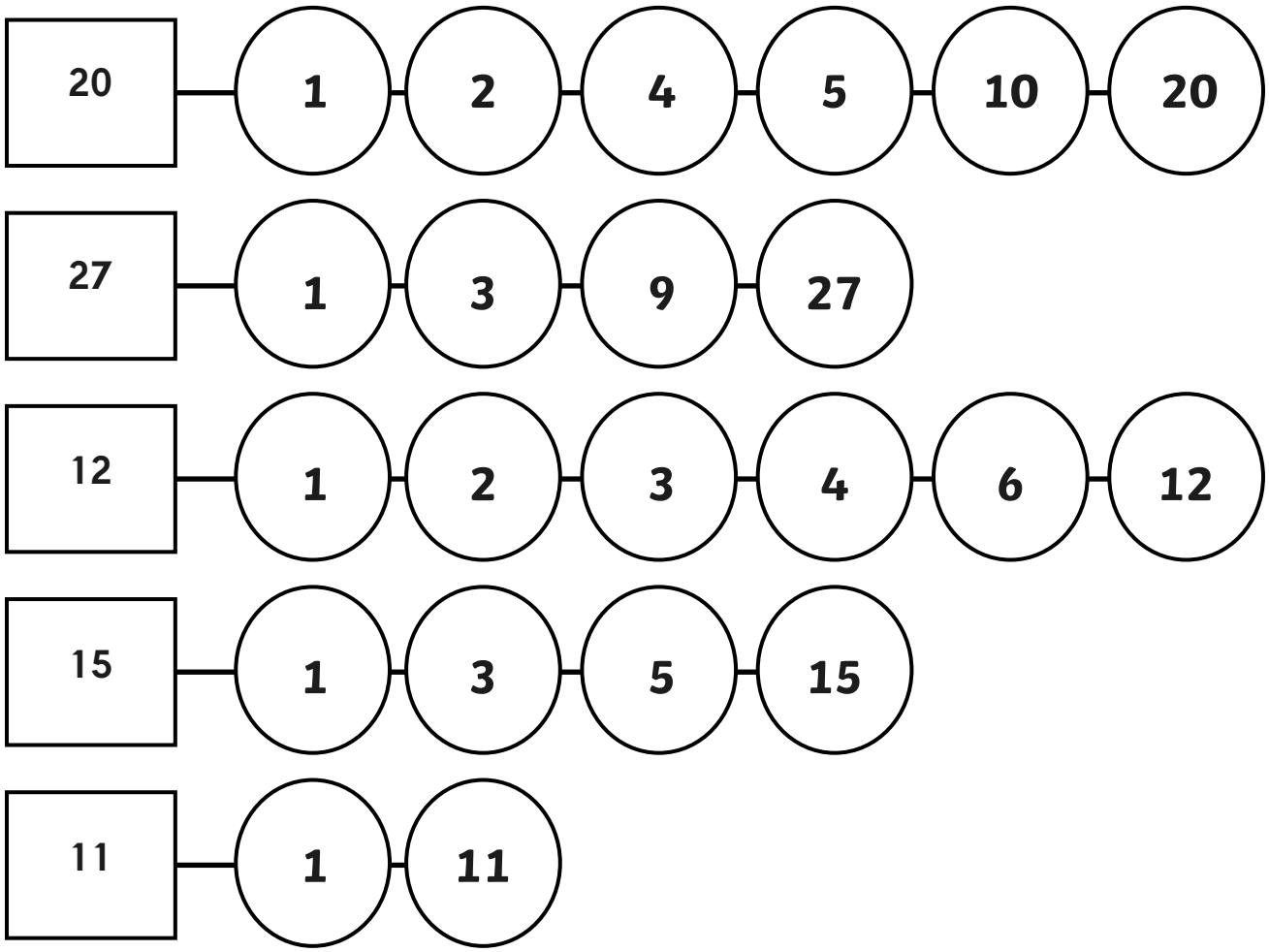
Fill in the missing factors for these products:



Now list the factors of these numbers:

1. 16
2. 21
3. 23

Finding Factors **Answers**



Now list the factors of these numbers:

1. 16 **1, 2, 4, 8, 16**
2. 21 **1, 3, 7, 21**
3. 23 **1, 23**

Finding Factors

I can find factors of numbers.

To find the **factors** of a number, you need to find all the pairs of numbers that multiply together to make a **product**.
2 × 5 = 10
2 and 5 are **factors**. 10 is the **product**.

List the factors of these numbers:

1. 16
2. 21
3. 24
4. 48
5. 64

List the factors of these numbers:

6. 7
7. 11
8. 23
9. 13
10. 5

What do you notice about these numbers?

_____

These numbers are called prime numbers.

Can you find three more prime numbers? _____, _____, _____

Finding Factors **Answers**

List the factors of these numbers:

1. 16 **1, 2, 4, 8, 16**
2. 21 **1, 3, 7, 21**
3. 24 **1, 2, 3, 4, 6, 8, 12, 24**
4. 48 **1, 2, 3, 4, 6, 8, 12, 16, 24, 48**
5. 64 **1, 2, 4, 8, 16, 32, 64**

List the factors of these numbers:

6. 7 **1, 7**
7. 11 **1, 11**
8. 23 **1, 23**
9. 13 **1, 13**
10. 5 **1, 5**

What do you notice about these numbers?

They only have 1 and the number itself as factors

These numbers are called prime numbers.

Can you find three more prime numbers? **Multiple answers possible**

Finding Factors

I can find factors of numbers.

To find the **factors** of a number, you need to find all the pairs of numbers that multiply together to make a **product**.
2 × 5 = 10
2 and 5 are **factors**. 10 is the **product**.

List the factors of these numbers:

1. 64
2. 48
3. 24
4. 36
5. 72

List the factors of these numbers:

6. 11
7. 17
8. 23
9. 29
10. 61

What do you notice about these numbers?

_____

These numbers are called prime numbers.

Can you find three more prime numbers? _____, _____, _____

Finding Factors **Answers**

List the factors of these numbers:

1. 64 **1, 2, 4, 8, 16, 32, 64**
2. 48 **1, 2, 3, 4, 6, 8, 12, 16, 24, 48**
3. 24 **1, 2, 3, 4, 6, 8, 12, 24**
4. 36 **1, 2, 3, 4, 6, 9, 12, 18, 36**
5. 72 **1, 2, 3, 4, 6, 8, 9, 12, 18, 24, 36, 72**

List the factors of these numbers:

6. 11 **1, 11**
7. 17 **1, 17**
8. 23 **1, 23**
9. 29 **1, 29**
10. 61 **1, 61**

What do you notice about these numbers?

They can be divided evenly only by 1 or itself.

These numbers are called prime numbers.

Can you find three more prime numbers? ***Multiple answers possible***

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