

SIMMERING BRONZE

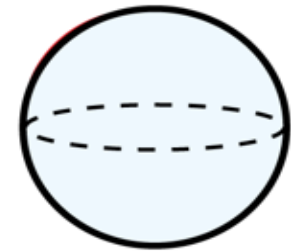
Flashback

4

What shape is this?

1

1) Which 2-D shapes are the faces of a triangular prism?

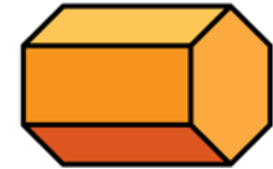


2) How many vertices does a cuboid have?

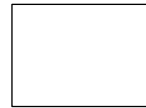
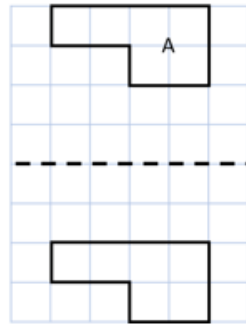
3) How many seconds are in 5 and a half minutes?

4) What does the 7 represent in 671?

Flashback 4



1) Is shape A reflected correctly?



2) How many lines of symmetry does this shape have?

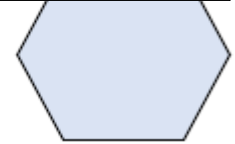


3) What is the name given to all 4-sided shapes?

4) List the factors of 16

Flashback 4

How many vertices does this shape have?



1) Which programme is the longest?

Programme	Start time	Finish time
Doctor Who	10:45	11:30
Star Wars	11:30	12:20
Where's Wally	12:20	13:00

2) Subtract 27 cm from 2.8 m. Give your answer in m.

2.53m

3) How many kg are the same as 320 g?

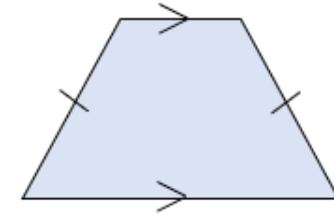
0.32

4) Subtract 100 from 2,041

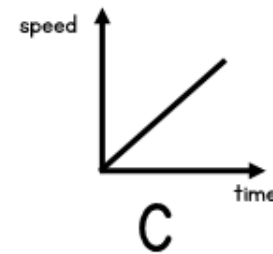
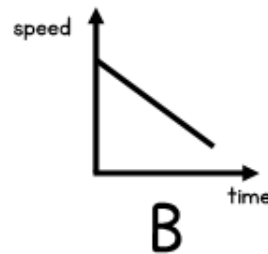
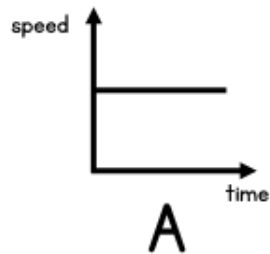
Flashback 4

What shape is this?

1) What is the total of the angles in a pie chart?



2) Which graph shows a car slowing down?



3) What do we call an angle of less than 90° ?

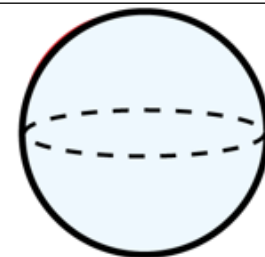
4) 7 bottles hold 3.5 litres. What does 1 bottle hold?

Flashback 4

Year 3 | Week 9 | Day 1

sphere

1) Which 2-D shapes are the faces of a triangular prism? **2 triangles and 3 rectangles**



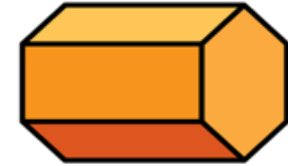
2) How many vertices does a cuboid have? **8**

3) How many seconds are in 5 and a half minutes? **330**

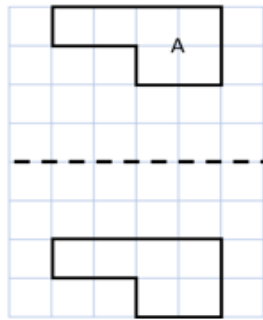
4) What does the 7 represent in 6710? **7 tens**

Flashback 4

hexagonal prism



- 1) Is shape A reflected correctly?



No

- 2) How many lines of symmetry does this shape have?



1 line of symmetry

- 3) What is the name given to all 4-sided shapes?

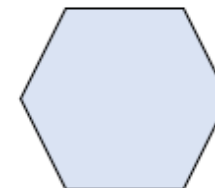
quadrilaterals

- 4) List the factors of 16

1, 2, 4, 8, 16

Flashback 4

This hexagon has 6 vertices



1) Which programme is the longest?

Programme	Start time	Finish time
Doctor Who	10:45	11:30
Star Wars	11:30	12:20
Where's Wally	12:20	13:00

Star Wars

2) Subtract 27 cm from 2.8 m. Give your answer in m. **2.53m**

3) How many kg are the same as 320 g? **0.32 kg**

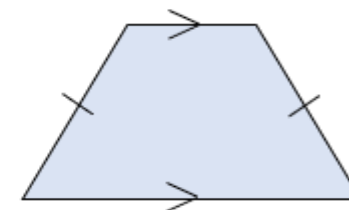
4) Subtract 100 from 2,041 **1,941**

Flashback 4

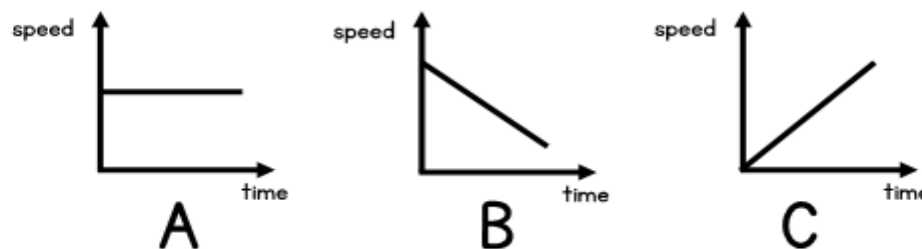
trapezium

1) What is the total of the angles in a pie chart?

360°



2) Which graph shows a car slowing down?



B

3) What do we call an angle of less than 90°?

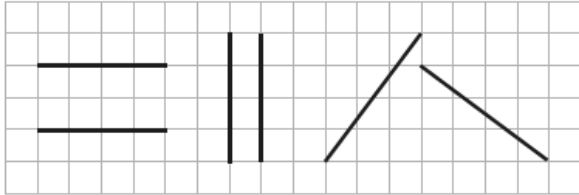
An acute angle.

4) 7 bottles hold 3.5 litres. What does 1 bottle hold?

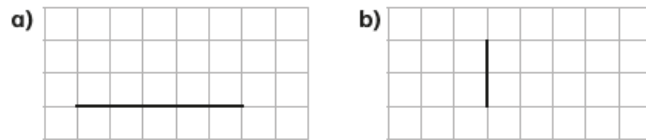
500 ml

Parallel and perpendicular

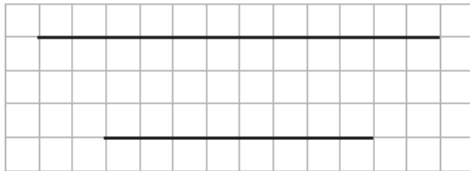
1 Which pair of lines is not parallel?



2 Here are two lines. Draw a line that is parallel to each.

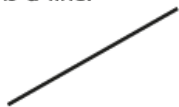


3 Amir says that the lines are not parallel because they are different lengths.



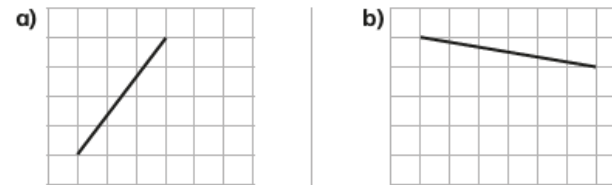
Is Amir correct?
Why?

4 Here is a line.



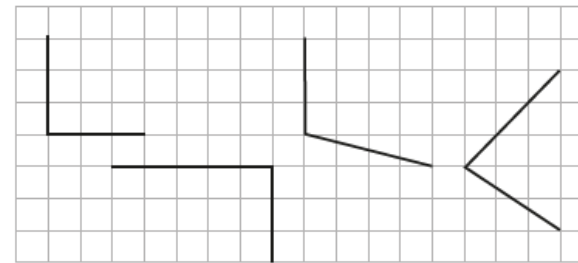
- a) Draw a line that is not parallel to it.
- b) Draw a line that is parallel to it.

5 Here are two lines. Draw a line that is parallel to each.

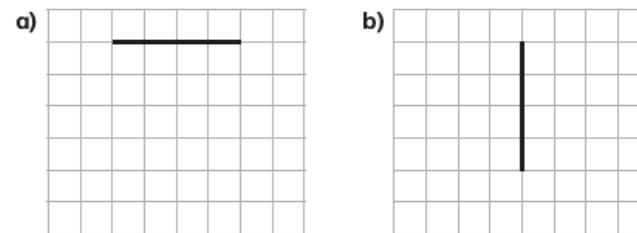


Talk to a partner about how you did it.

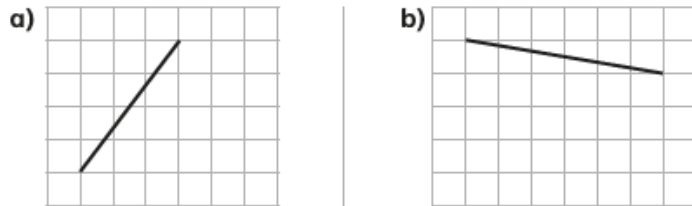
6 Which lines are perpendicular?



7 Here are two lines. Draw a line that is perpendicular to each.

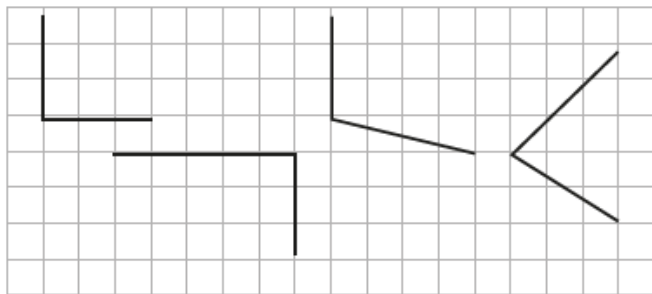


5 Here are two lines. Draw a line that is parallel to each.

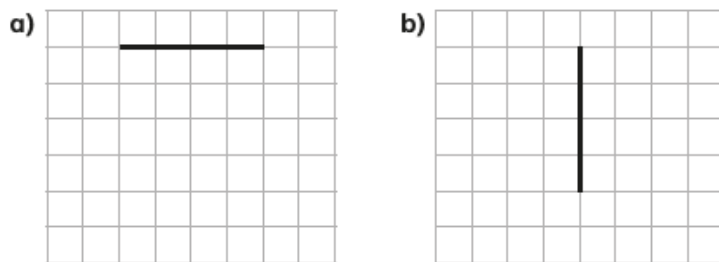


Talk to a partner about how you did it.

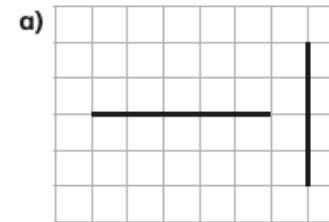
6 Which lines are perpendicular?



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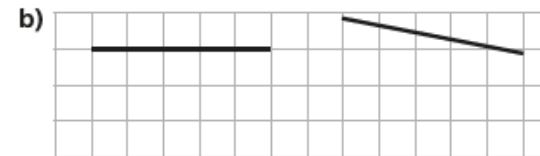
8 Alex has drawn some lines on grids.



The lines are not perpendicular because they don't meet.



Do you agree with Alex?



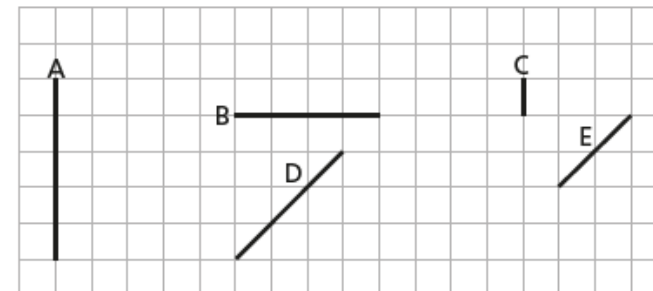
The lines are parallel because they don't meet.



Do you agree with Alex?

Talk about your answers with a partner.

9 Five lines are drawn on the grid.



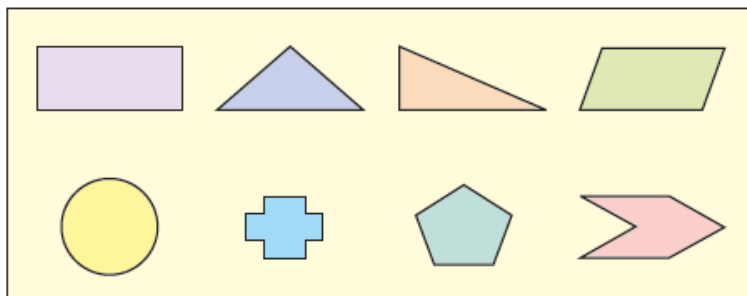
a) Which two pairs of lines are parallel?

b) Which two pairs of lines are perpendicular?

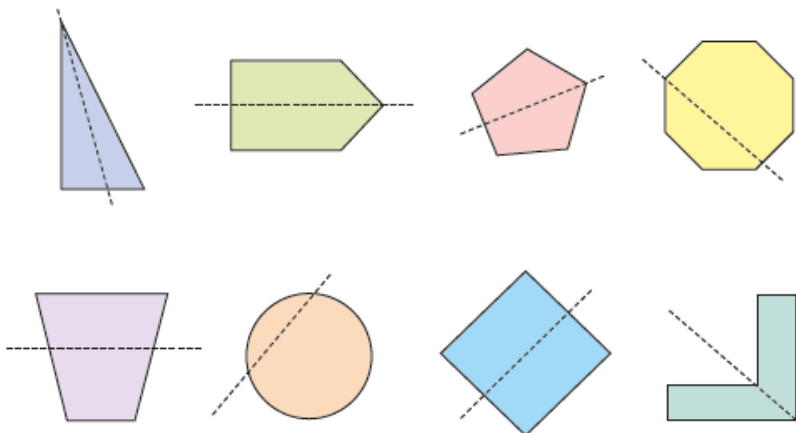


Lines of symmetry

1 Which shapes have at least one line of symmetry?

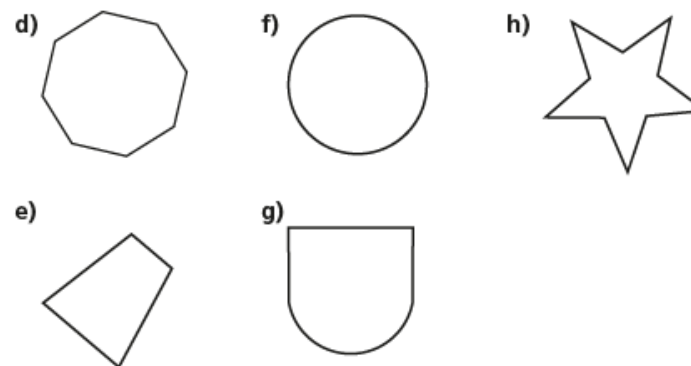
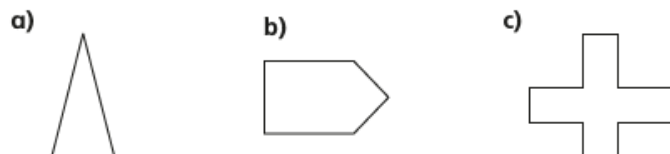


2 Which shapes show a correct line of symmetry?



How did you know which shapes to choose?

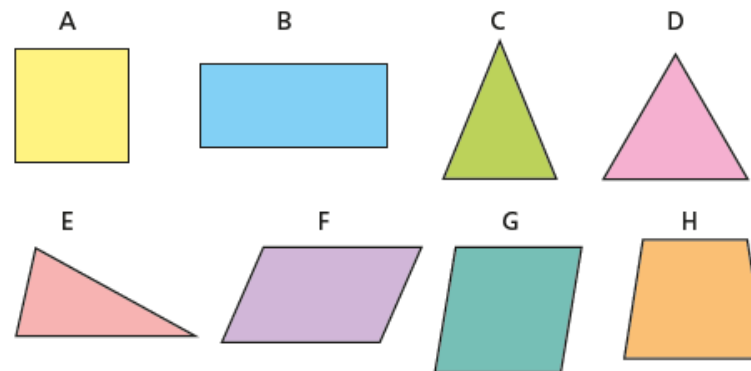
3 Draw one line of symmetry on each shape.



Is there more than one possible answer for each?

4 Sort the shapes into the table.

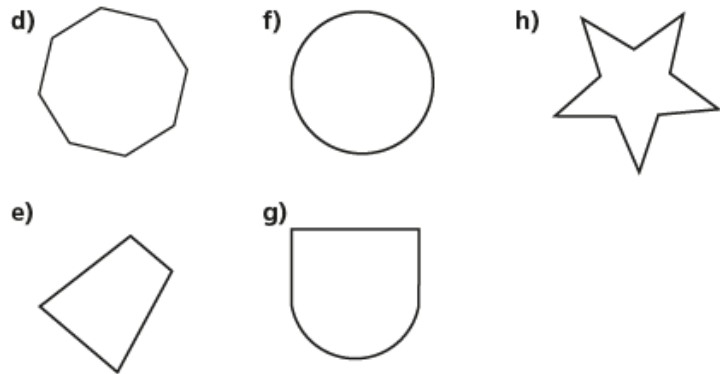
The first one has been done for you.



	1 line of symmetry	More than 1 line of symmetry	No lines of symmetry
Triangle			
Quadrilateral		A	

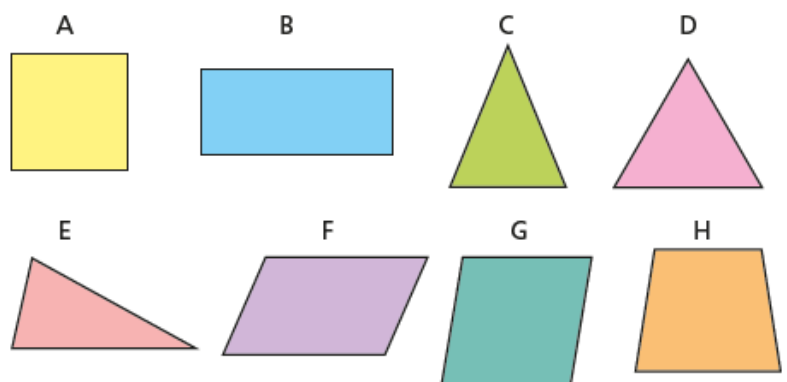


Lines of symmetry



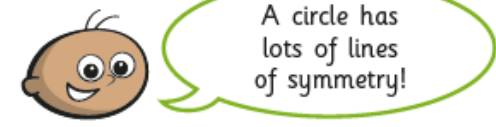
Is there more than one possible answer for each?

4 Sort the shapes into the table.
The first one has been done for you.



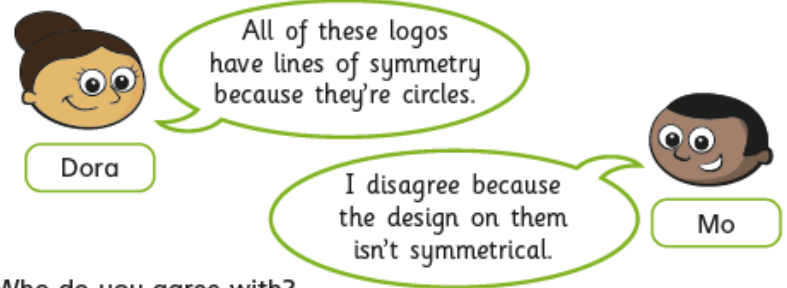
	1 line of symmetry	More than 1 line of symmetry	No lines of symmetry
Triangle			
Quadrilateral		A	

5 Tommy is folding a paper circle to find lines of symmetry.



Do you agree with Tommy?
Talk about it with a partner.

6 Here are 3 logos.



Who do you agree with?
Talk about it with a partner.

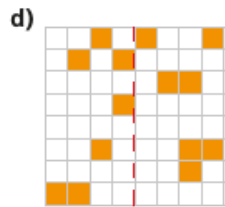
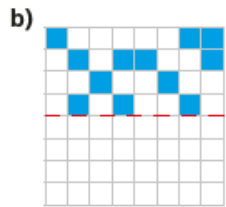
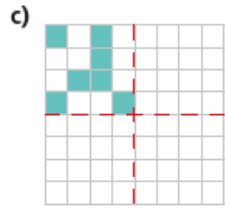
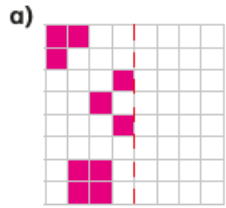
7 Shade a maximum of 8 squares on squared paper to make a symmetrical shape.

Compare answers with a partner.
How many different shapes can you make?



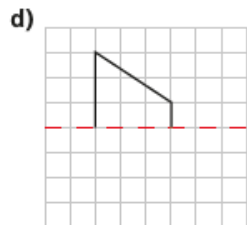
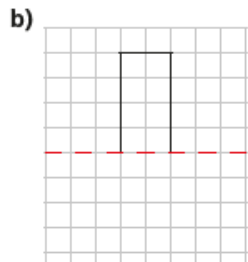
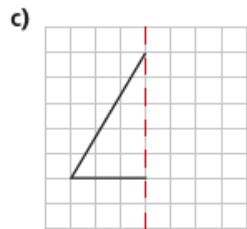
Complete a symmetric figure

1 Shade squares to make the patterns symmetrical.

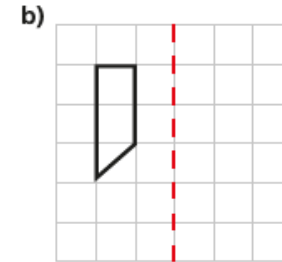
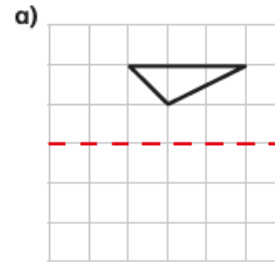


Compare methods with a partner.

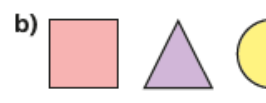
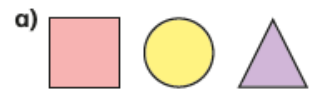
2 Complete the shapes according to the lines of symmetry. Name each shape once you have drawn it.



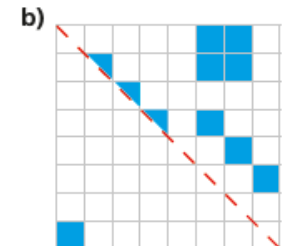
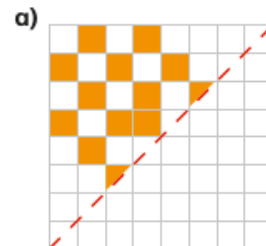
3 Reflect the shapes in the given mirror line.



4 Each pattern is symmetrical around the mirror line. Complete the patterns.

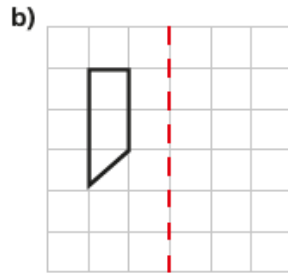
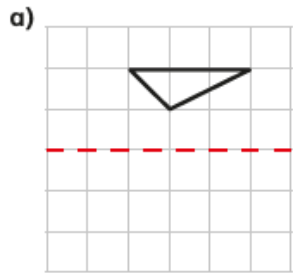


5 Shade squares to make the patterns symmetrical.

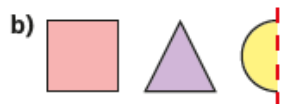
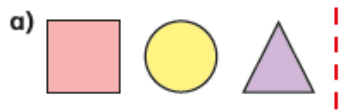


Complete a symmetric figure

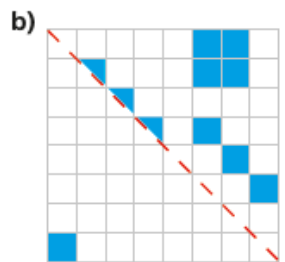
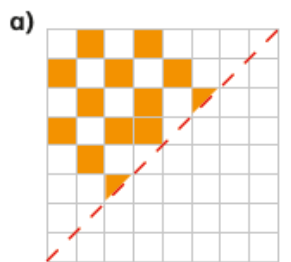
3 Reflect the shapes in the given mirror line.



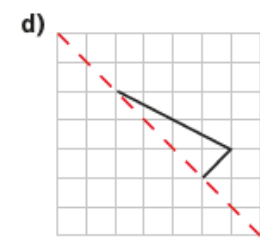
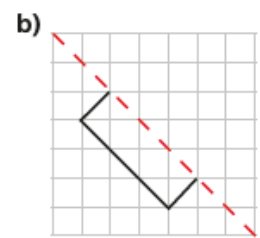
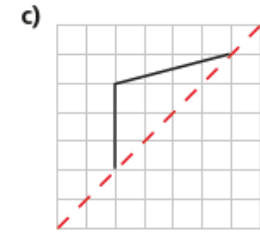
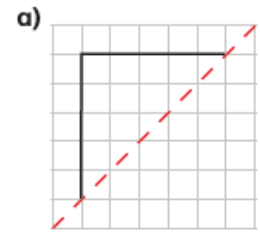
4 Each pattern is symmetrical around the mirror line. Complete the patterns.



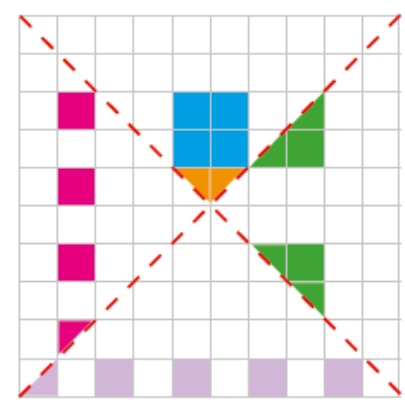
5 Shade squares to make the patterns symmetrical.



6 Complete the symmetric figures.



7 Complete the symmetric figure.

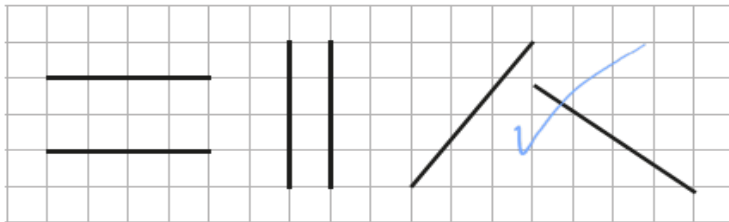


Create your own question like this for a partner.

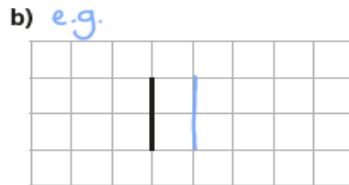
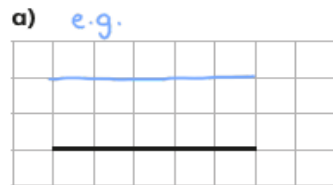


Parallel and perpendicular

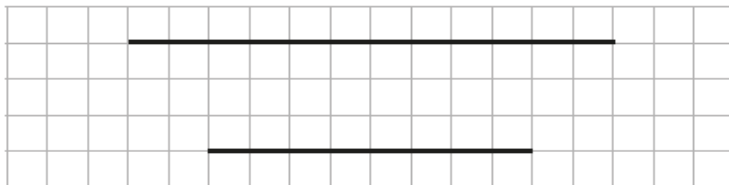
1 Tick the pairs of lines that are not parallel.



2 Here are two lines.
Draw a line that is parallel to each.



3 Amir says that the lines are not parallel because they are different lengths.



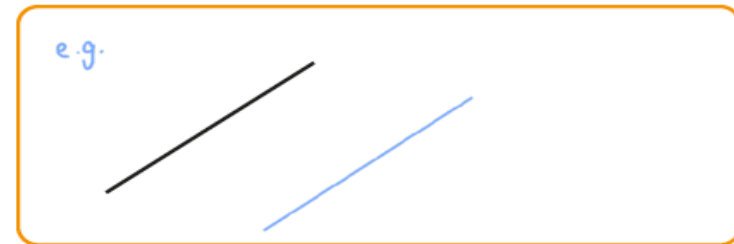
Is Amir correct? No

Why?

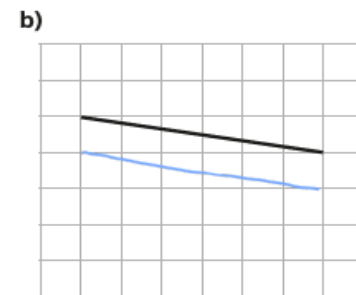
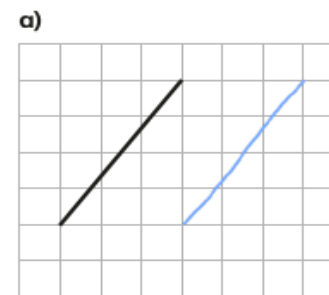
4 a) Here is a line. Draw a line that is not parallel to it.



b) Here is a line. Draw a line that is parallel to it.



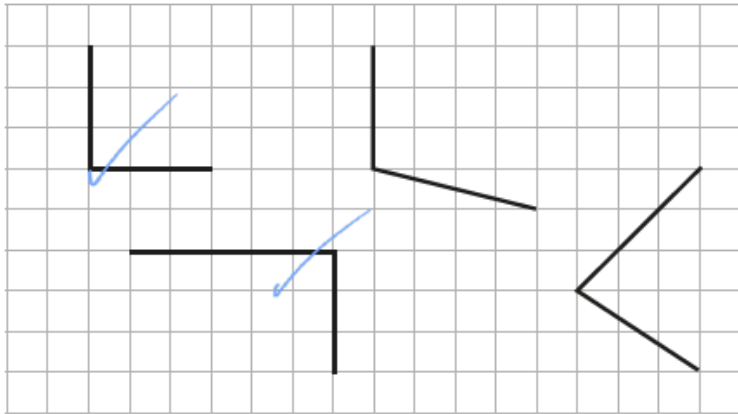
5 Here are two lines.
Draw a line that is parallel to each.



Talk to a partner about how you did it.

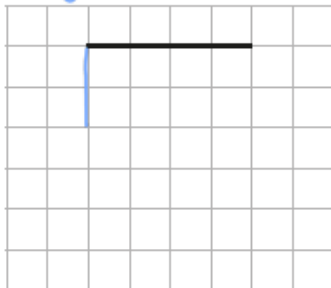


6 Tick the perpendicular lines.

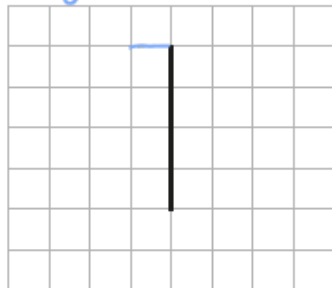


7 Here are two lines. Draw a line that is perpendicular to each.

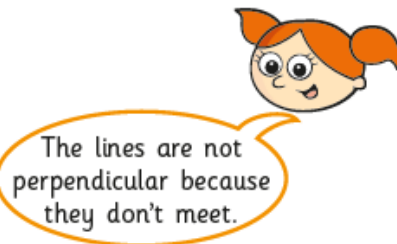
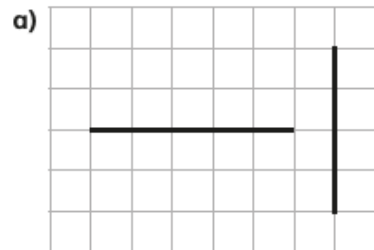
a) e.g.



b) e.g.

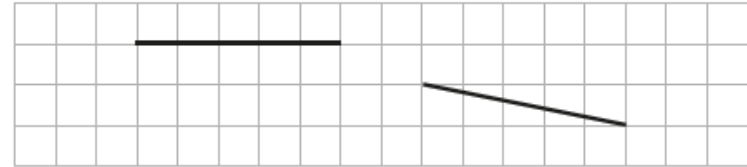


8 Alex has drawn some lines on grids.



Do you agree with Alex? No

b)

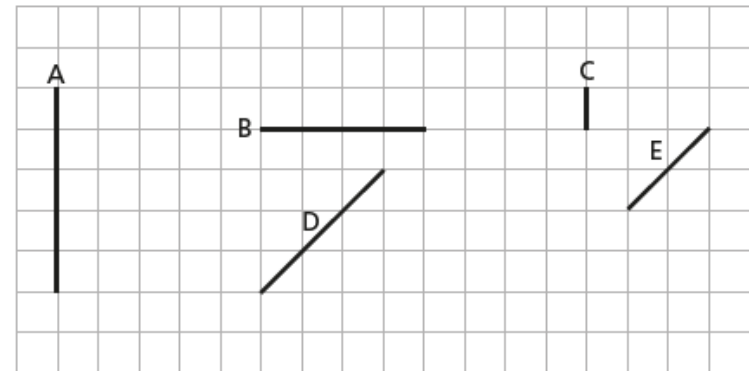


The lines are parallel because they don't meet.

Do you agree with Alex? No

Talk about your answers with a partner.

9 Five lines are drawn on the grid.



a) Which two pairs of lines are parallel?

A and C & D and E

b) Which two pairs of lines are perpendicular?









A and B & B and C



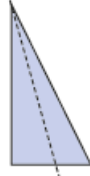
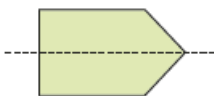
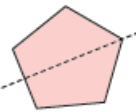
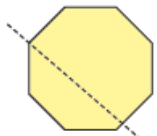
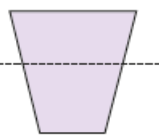
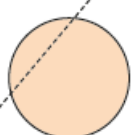
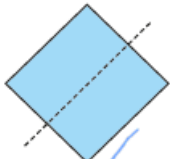
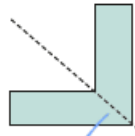
Lines of symmetry



1 Tick the shapes that have at least one line of symmetry.

			
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

2 Tick the shapes that show a correct line of symmetry.

			
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
			
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

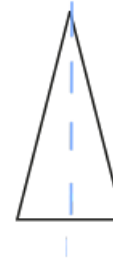
How did you know which shapes to tick?



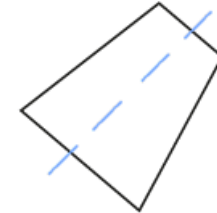
3 Draw one line of symmetry on each shape.

e.g.

a)



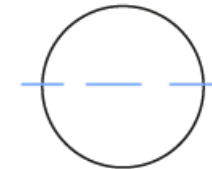
e)



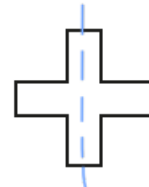
b)



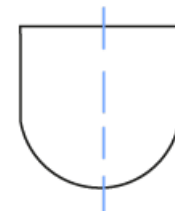
f)



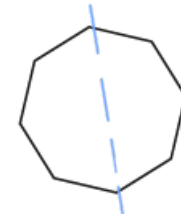
c)



g)



d)



h)

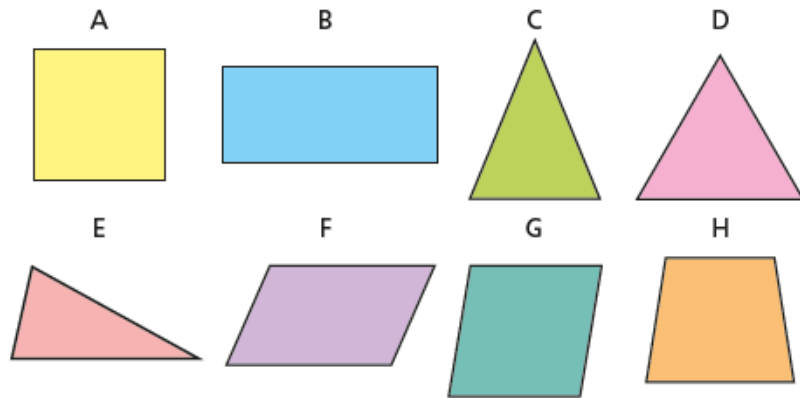


Is there more than one possible answer for each?



4 Sort the shapes into the table.

The first one has been done for you.



	1 line of symmetry	More than 1 line of symmetry	No lines of symmetry
Triangle	C	D	E
Quadrilateral	H	G A B	F

5 Tommy is folding a paper circle to find lines of symmetry.



A circle has lots of lines of symmetry!

Do you agree with Tommy? yes

Talk about it with a partner.

6 Here are 3 logos.



All of these logos have lines of symmetry because they're circles.

Dora



I disagree because the design on them isn't symmetrical.

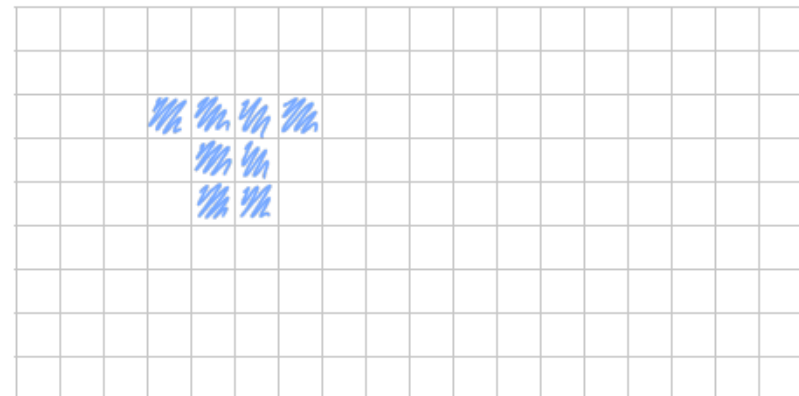
Mo

Who do you agree with? Mo

Talk about it with a partner.

7 Shade a maximum of 8 squares to make a symmetrical shape.

e.g.

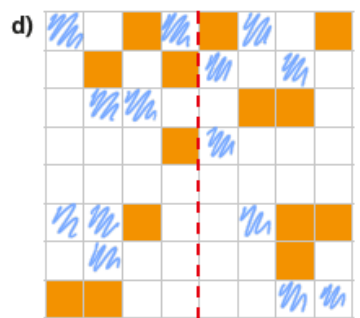
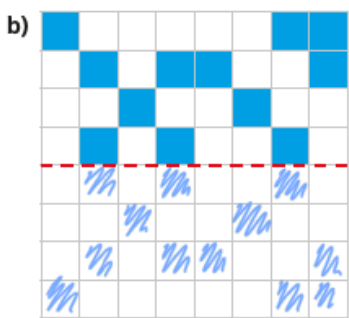
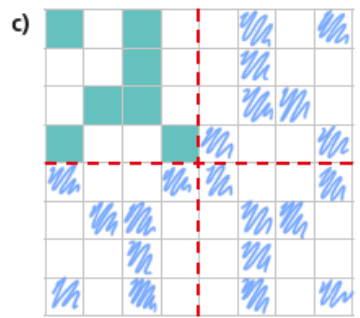
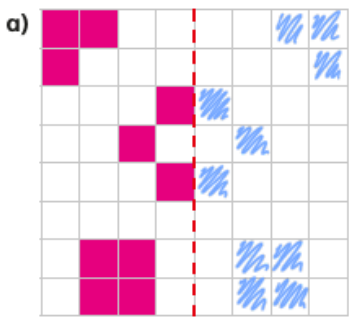


Compare answers with a partner. How many different shapes can you make?

Complete a symmetric figure



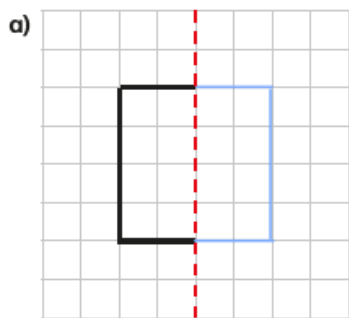
1 Shade squares to make the patterns symmetrical.



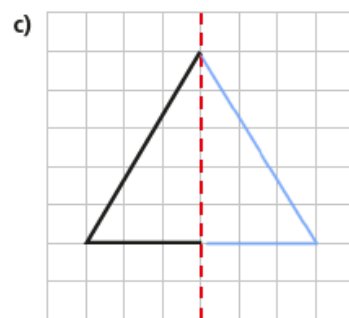
Compare methods with a partner.



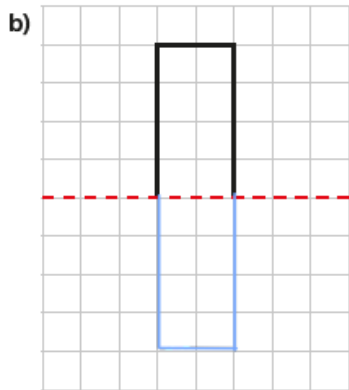
2 Complete the shapes according to the lines of symmetry. Name each shape once you have drawn it.



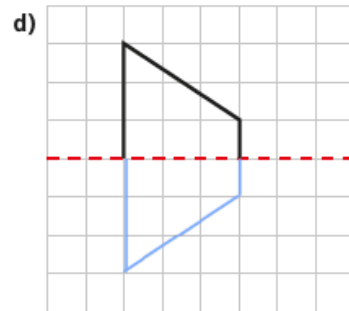
square



triangle

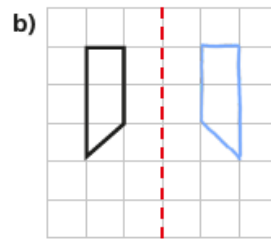
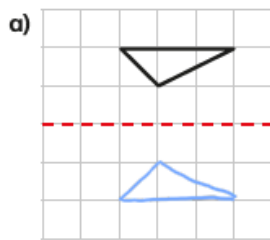


rectangle





trapezium


3 Reflect the shapes in the given mirror line.



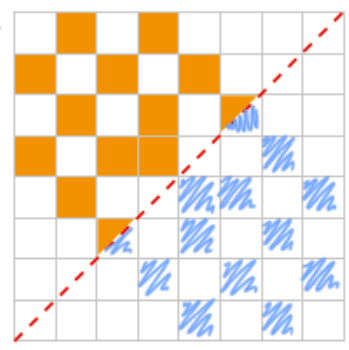
4 Each pattern is symmetrical around the mirror line.
Complete the patterns.

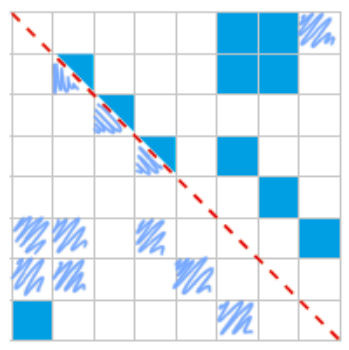
a) 

b) 

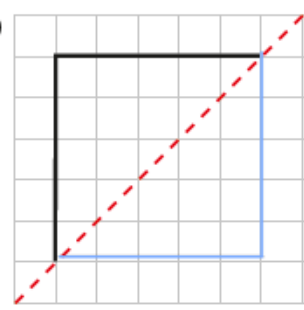
c) 

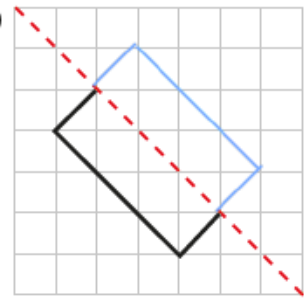
5 Shade squares to make the patterns symmetrical.

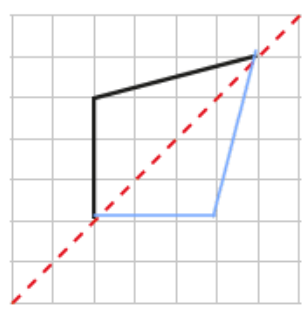
a) 

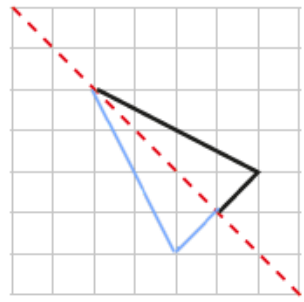
b) 

6 Complete the symmetric figures.

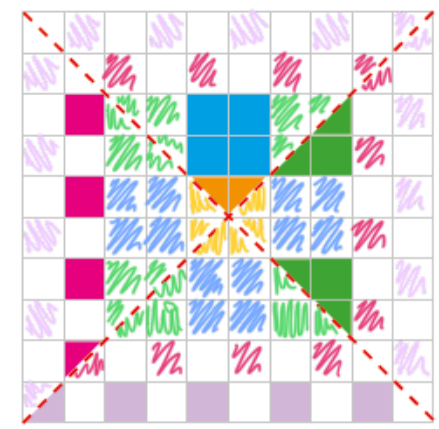
a) 

b) 

c) 

d) 

7 Complete the symmetric figure.



Create your own question like this for a partner.