White Rose Maths

Home Learning Video Links

Year 3

Summer Term Week 10
(w/c 29th June)

Lesson 1

Draw accurately https://vimeo.com/432264831

Lesson 2

Recognise and describe 2D shapes https://vimeo.com/432264925

Lesson 3

Recognise and describe 3D shapes https://vimeo.com/432265088

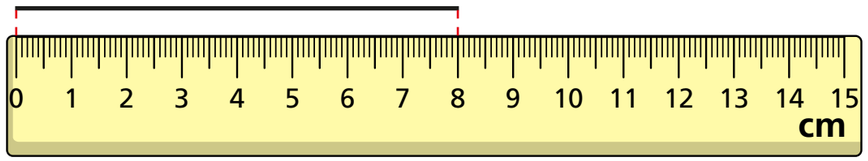
Lesson 4

Tell the time to 5 minutes https://vimeo.com/432265268

Draw accurately

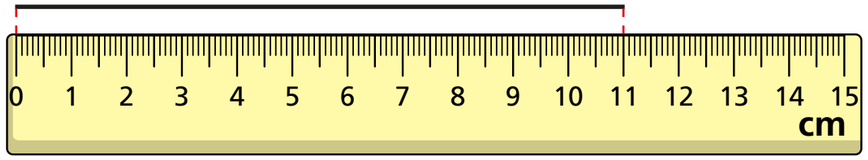
1 How long is each line?

a)



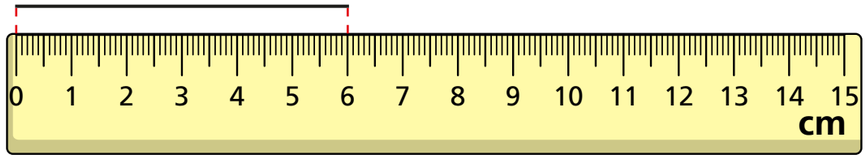
cm

b)



cm

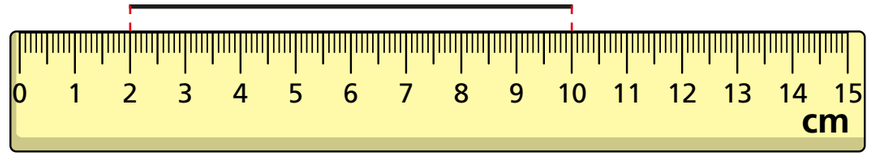
c)



cm

2 Draw two lines that are each 5 cm long.

3 Dani says the line is 10 cm long.



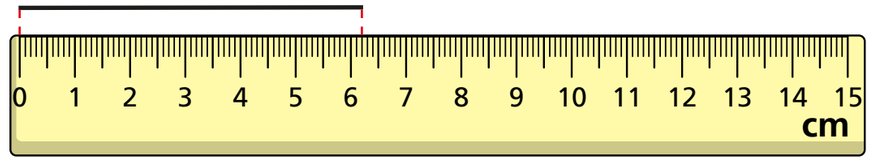
a) What mistake has Dani made?

b) How long is the line?

cm

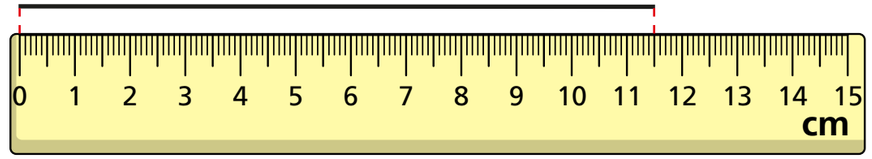
4 What is the length of each line in millimetres?

a)



mm

b)



mm

c)

mm

5 Use a ruler to draw the lines.

a) Draw a line 8 cm long.

b) Draw a line 80 mm long.

What do you notice about the lines you have drawn?

Why is this?

6 Use a ruler to help you answer the questions.

a) Draw a 4 cm by 4 cm square.

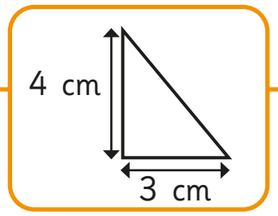
b) Measure the length of the diagonal.

Give your answer in millimetres.

mm

7 Draw a rectangle 8 cm long and 32 mm wide.

8 **a)** Make a sketch of the triangle.

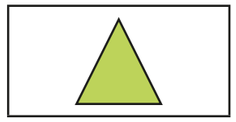


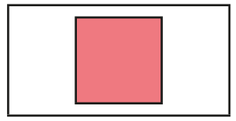
b) Use your drawing to work out the perimeter of the triangle.

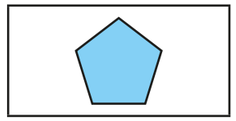
cm

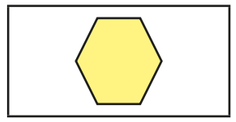
Recognise and describe 2D shapes

1 Match the shapes to the labels.









square

pentagon

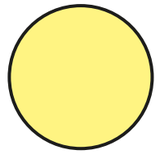
triangle

hexagon

2 Use the words to label the shapes.

rectangle | hexagon | circle | triangle | pentagon

a)



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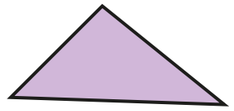
c)



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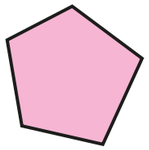
b)



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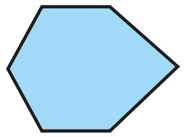
d)



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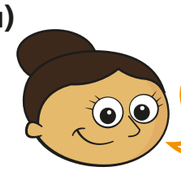
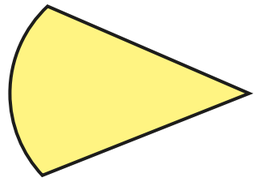
3 Dora and Ron each have a shape.

a)



My shape has three sides, so it is a triangle.

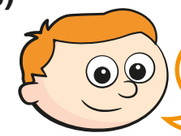


Why is Dora incorrect?

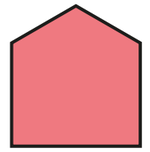
_____

_____

b)



My shape is a house.



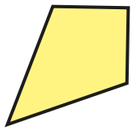
Why might Ron think that? Talk to a partner.

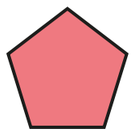
What is the mathematical name for Ron's shape?

_____

4 Here are some shapes.

a) Circle all the quadrilaterals.



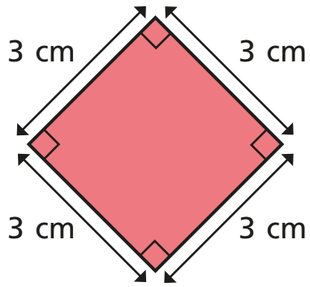


b) Draw three more quadrilaterals.

What do you notice about all the shapes you have drawn?

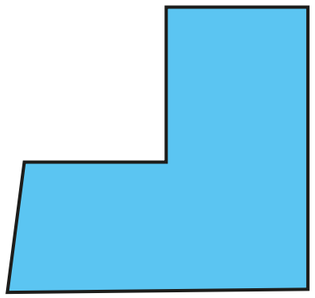
c) Is this shape a square?

Circle your answer. **yes** **no**



Compare answers with a partner.

5 This shape is a hexagon.

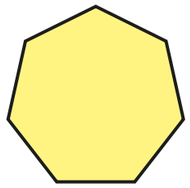


Why is it a hexagon?

_____

_____

6 What is the name of each shape?



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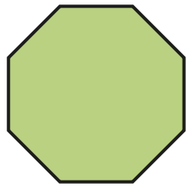

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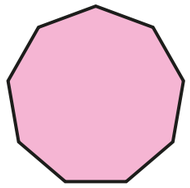

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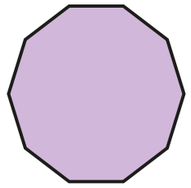

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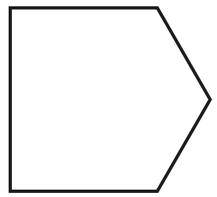
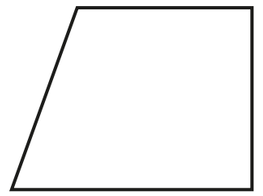
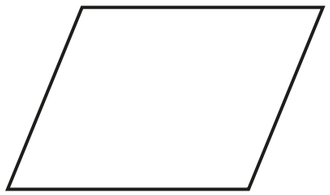
How do you know? Talk about it with a partner.

7 Each shape has at least one pair of parallel sides.

Draw on the shapes to show the parallel sides.





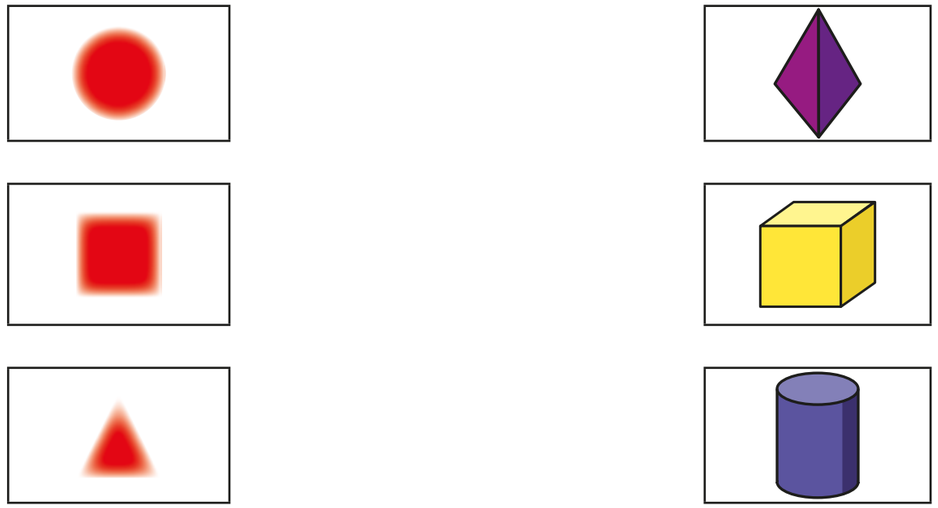


Recognise and describe 3D shapes

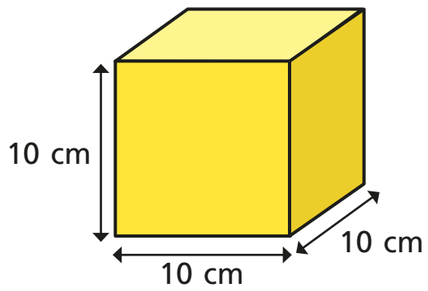
1 Kim paints the faces of some 3D shapes.

She stamps the faces on to a sheet of paper.

Match the stamp to the 3D shape.



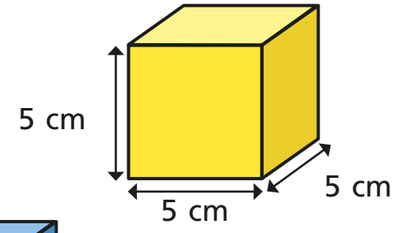
2 A cube is a special type of cuboid.

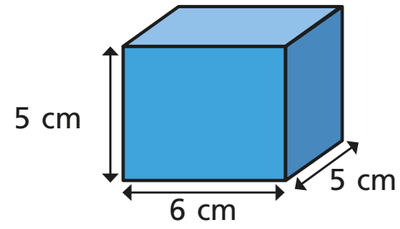


What is special about each face of a cube?

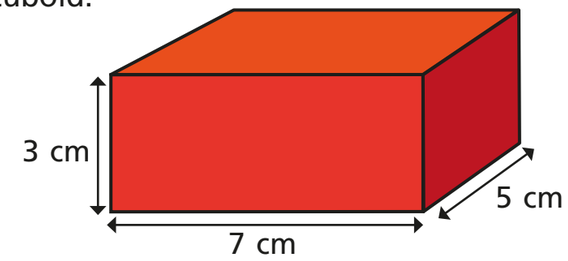
Talk about it with a partner.

3 Which of the shapes is a cube? Tick your answer.





4 Here is a cuboid.



What do you notice about the opposite faces of a cuboid?

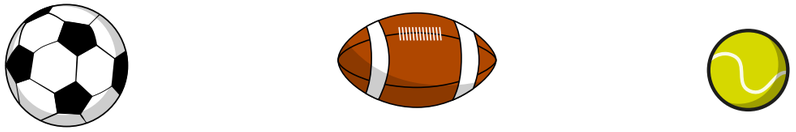
5 Match the 3D shapes to the labels.

square-based pyramid	cylinder	cone

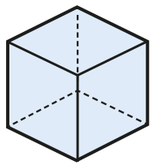
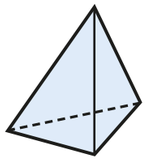
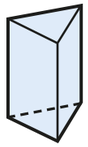
6 Here are some shapes.

a) Circle all the triangular prisms.

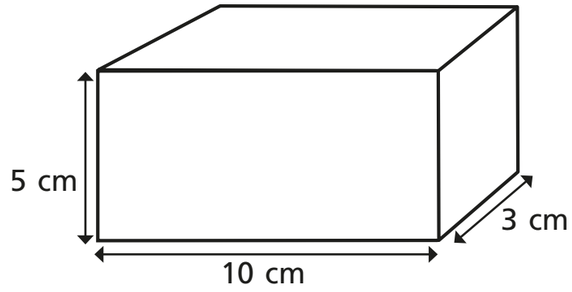
b) Circle all the spheres.



7 Complete the table.

Shape	Number of edges	Number of faces	Number of vertices
			
			
			

8 Here is a cuboid.



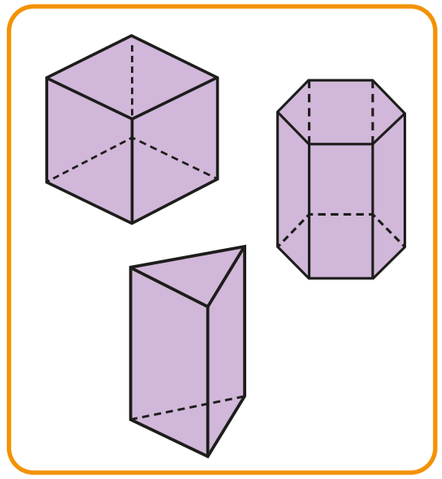
a) Shade a face that is a 5 cm by 3 cm rectangle.

b) What are the measurements of one of the other faces?

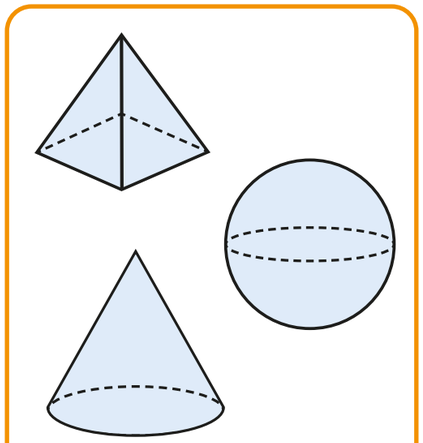
☐ cm by ☐ cm

9 Huan sorts some shapes into prisms and non-prisms.

Prisms



Non-prisms

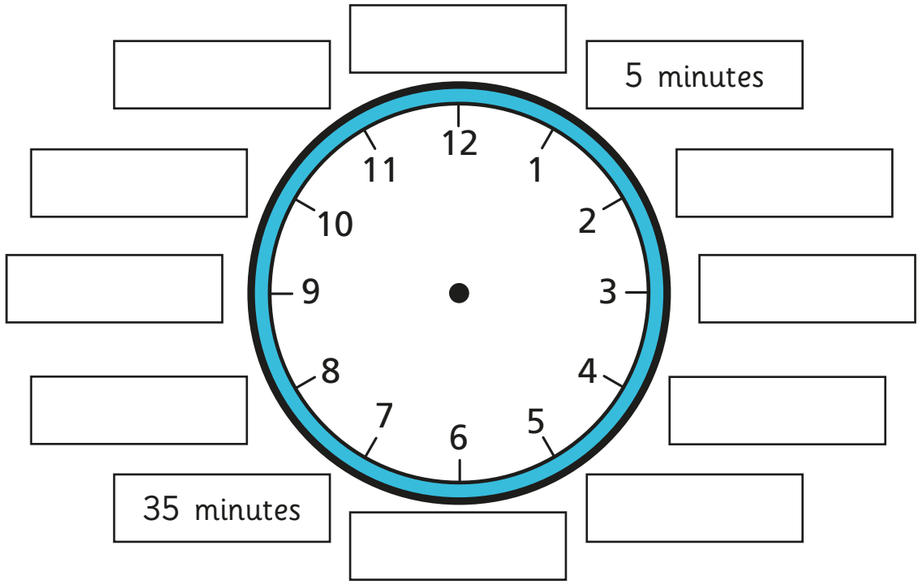


Talk to a partner about what a prism is like.

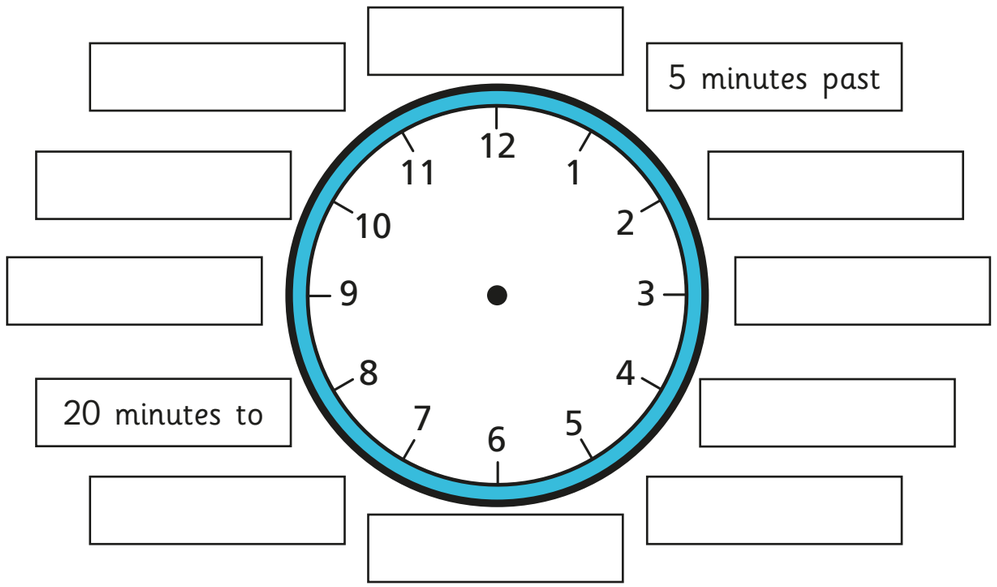
Can you find any prisms and non-prisms in your classroom?

Telling the time to 5 minutes

1 Label the clock to show the number of minutes past the hour.

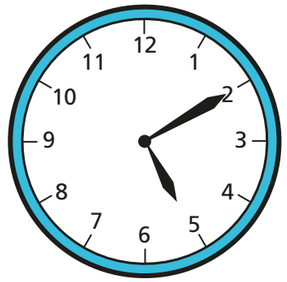


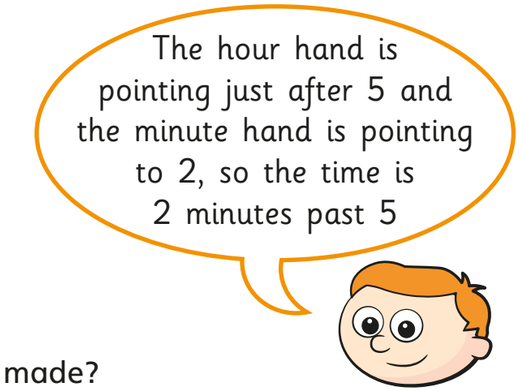
2 Label the clock to show what time would be shown if the minute hand was pointing to each interval.



Is there more than one possible answer for each label?

3





What mistake has Ron made?

_____

_____

What time is it? _____

4 What time is shown on each clock?

a)

☐ minutes past ☐

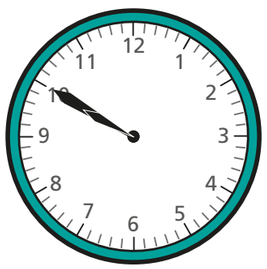
c)

☐ minutes past ☐

b)

☐ minutes to ☐

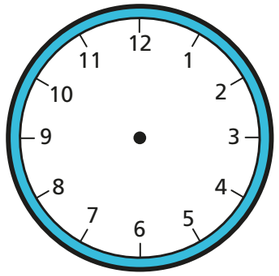
d)



_____

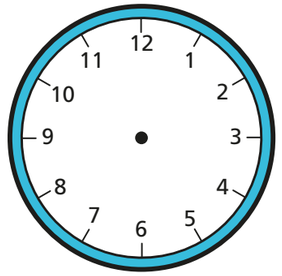
5 Draw the hands on the clocks to show the correct times.

a)



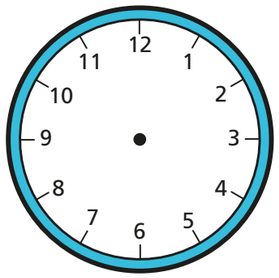
15 minutes past 6

c)



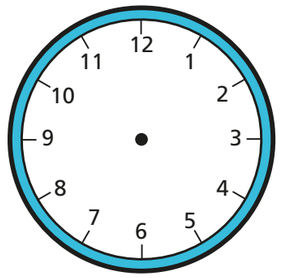
25 minutes to 9

b)



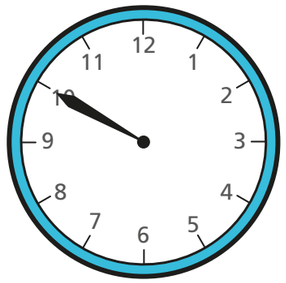
15 minutes to 9

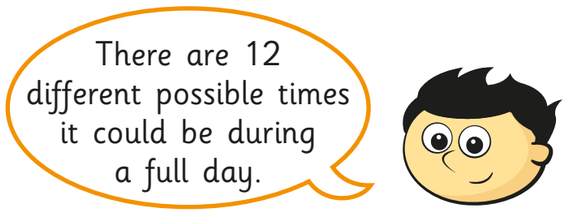
d)



5 minutes to 12

6 Jack wants to tell the time, but the hour hand has fallen off the clock.





Do you agree with Jack? _____

Talk about it with a partner.

7 The minute hand and the hour hand of a clock are both pointing to an even number.

It is before midday. What times could it be?

Give three possible answers.

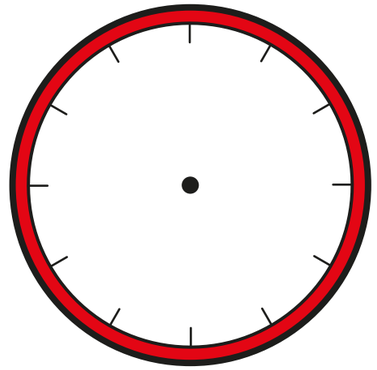
_____

_____

Compare answers with a partner. Can you find any more?

8 The numbers of the clock face were written in Roman numerals but they have been rubbed off.

The current time has a V in the hour and a V in the minutes.



What time could it be? Draw your answer on the clock.

Are there any other answers?

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Talk about it with a partner.