



W.C. 29th June

Use these worksheets to work from **and not on**. All you need is a piece of paper, pencil and a ruler. s83year3@st-annes.solihull.sch.uk

After watching the videos and having a go at the practise activities on BBC Bitesize, have a go at these activities. Depending on your confidence choose Mild, Medium or Spicy.

Maths

Deeper Learning – You may wish to deepen your learning by looking at time!

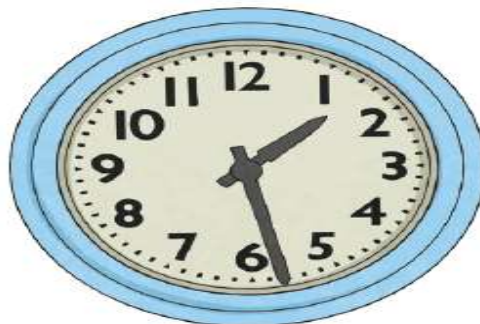
Time: **Answer:**

1. Jed is correct. The time will be 3.58.

Time

1. Anika says that in $2\frac{1}{2}$ hours, the clock will say 3.00.
Jed says she is wrong and the clock will say 3.58.

Who is correct?
Explain how you know.



Time

4. Use these signs to make these statements true: < = >

1hr 15 75 minutes

2hrs 32 2 hrs 23

90 minutes 1hr 20

48 hrs 2 days

44 minutes $\frac{3}{4}$ hour

129 minutes 2hrs 9

Answers:

4.	1hr 15	=	75 minutes
	90 minutes	>	1hr 20
	44 minutes	<	$\frac{3}{4}$ hour

2hrs 32	>	2 hrs 23
48 hrs	=	2 days
129 minutes	=	2hrs 9

Extra spicy challenge -

Time

7. I am in the evening.
I am an even hour.
My minutes are half of ten to the hour.
My hour is 120 minutes before midnight.

What time am I?



Answer: 7. My time is 22.25.

We also have Maths activities on Purple Mash for you!

Monday

<https://www.bbc.co.uk/bitesize/tags/zmyxxyc/year-3-and-p4-lessons/1>

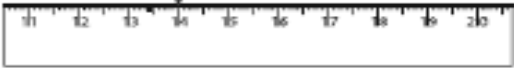
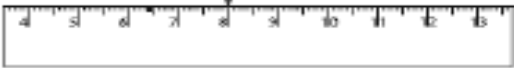
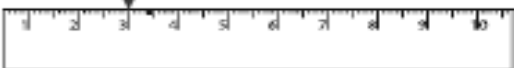
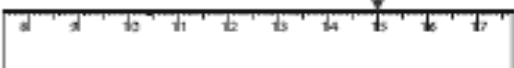
<https://whiterosemaths.com/homelearning/year-3/>

Drawing lines and shapes accurately

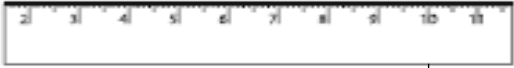
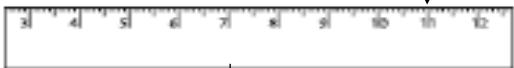
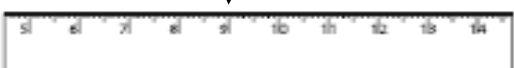
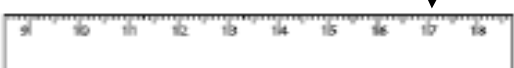
Main activity-If you have completed this main activity and you have the resources available at home to complete the mild, medium or spicy, then have a go!

Reading & Marking Ruler Whole centimeter: 51

Write the reading shown by the pointer in each problem.

- 1)  _____ cm
- 2)  _____ cm
- 3)  _____ cm
- 4)  _____ cm

Draw the pointer to show the reading in each problem.

- 5) 5 cm 
- 6) 11 cm 
- 7) 9 cm 
- 8) 17 cm 

4cm
8cm
3cm
15cm

Mild



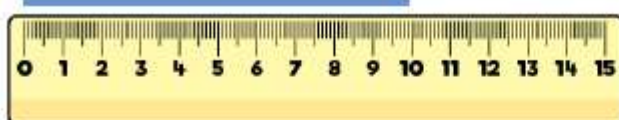
Draw straight lines that measure exactly:

12 cm

8 cm and 5 mm

9 cm and 8 mm

14 cm and 2 mm



This line measures
9 cm and 9 mm

It measures ____ cm to the nearest centimetre.

Draw a line for each of the measurements.

5 cm and 2 mm

13 cm and 8 mm

0 cm and 9 mm

10 cm and 3 mm

What would each line measure to the nearest centimetre?

2) Accurately measure these lines. Then round each measurement to the nearest centimetre.



a) _____cm _____mm

b) _____cm _____mm

c) _____cm _____mm

d) _____cm _____mm

Medium

1) Use a sharp pencil and a ruler that measures in centimetres and millimetres. Draw lines with these exact measurements.

a) 12cm

b) 4cm and 5mm

c) 79mm

d) 10.5cm

- 1) Look at the picture of Maurice measuring this line.



What advice would you give Maurice to help him improve his drawing accuracy?

To position the ruler correctly beginning with 0.

- 1) Work with a partner. Draw 3 lines:

- a) shorter than 5cm
- b) between 5cm and 10cm
- c) longer than 10cm

Give your lines to your partner to estimate. Then measure to see how close their estimates were.

- 2) Draw a picture of a house using straight lines that have a total length of one metre.



twinkl.com

Construct the following shapes as they are described.

You must use a sharp pencil and a ruler!

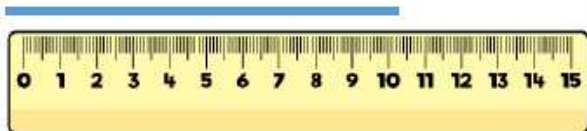
1. Draw a square with sides of length 5cm

2. Draw a rectangle with a width of 3cm and a length of 7cm

3. Draw a rectangle with a width of 20mm and a length of 50mm

Spicy

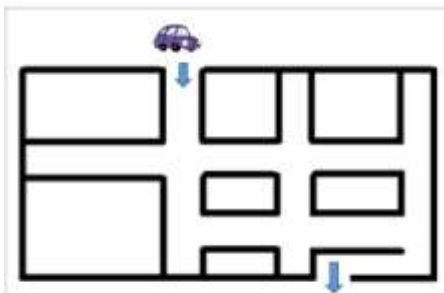
Alex measures the line.



She says it is 10 cm 4 mm

Is Alex correct?
Explain why.

Alex is not correct because she has started measuring the line from the end of the ruler instead of from '0'



Use straight lines to show the route the car could take to get out of the maze.

Work out the length of the route to the nearest cm

Is this the shortest route?



The length of the route will depend on the size of the maze used.

4. Measure the sides of the following rectangle and label them



5. Draw an equilateral triangle with side length 3cm

Tuesday

<https://www.bbc.co.uk/bitesize/tags/zmyxxyc/year-3-and-p4-lessons/1>

<https://whiterosemaths.com/homelearning/year-3/>

Recognising 2D shapes

Mild

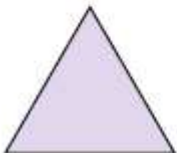
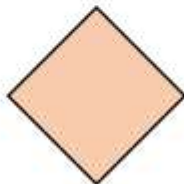
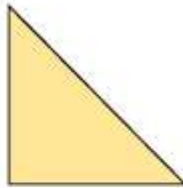
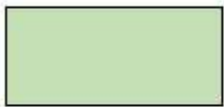


Draw the following shapes.

- A square with sides measuring 2 cm
- A square that is larger the one you have just drawn
- A rectangle with sides measuring 4 cm and 6 cm
- A triangle with two sides of equal length

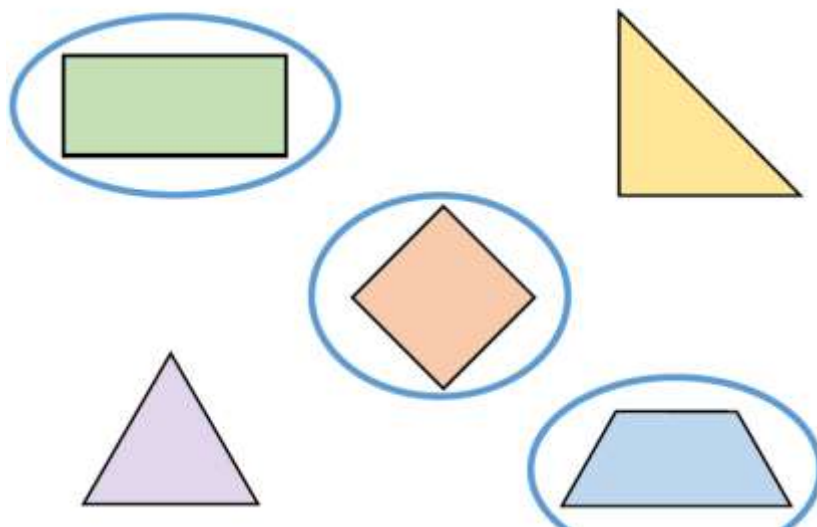
Here are some 2-D shapes.

Circle the shapes that have parallel lines.



Here are some 2-D shapes.

Circle the shapes that have parallel lines.



Shape Hunt

Use a tally to count the shapes you see.

Which shape did you see the most?

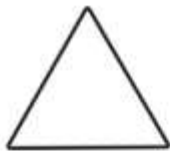
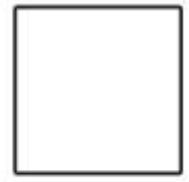
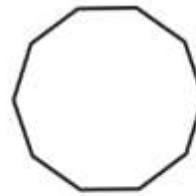
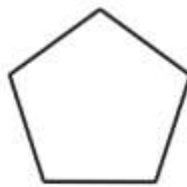
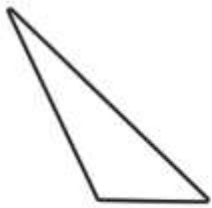
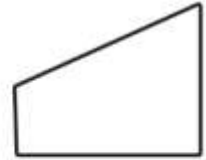
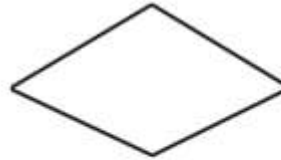
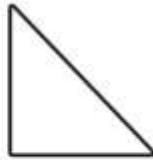
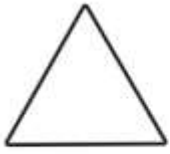
Which shape did you see the least?

Shape	Tally
	
	
	
	
	
	
	

Go on a shape hunt in your house and maybe even your garden/outdoors. What shapes can you find!

Medium

Can you name the 2D shape??

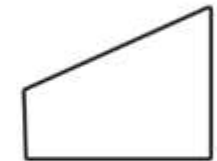
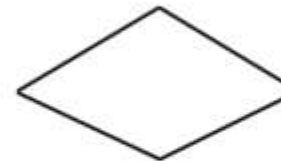
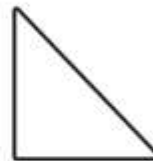
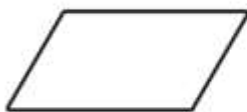


equilateral triangle

heptagon

trapezium

rectangle

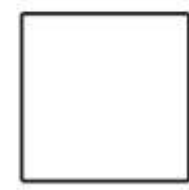
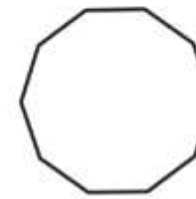
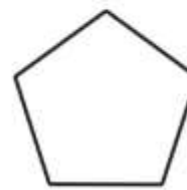
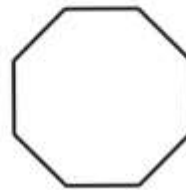
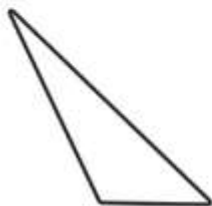


parallelogram

right-angled triangle

rhombus

trapezoid



scalene triangle

octagon

pentagon

decagon

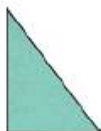
square

- 1) Name the shapes and identify one property of each:



Name: _____

Number of sides: _____



Name: _____

Number of vertices: _____



Name: _____

Property of your choice: _____

- 2) Circle the descriptions that match this shape:



I have 6 sides.

I have 5 vertices.

All my sides are the same length.

I am symmetrical.

1)



Name: *(regular) hexagon*
Number of sides: 6



Name: *right-angled triangle*
Number of vertices: 3



Name: *(regular) octagon*
Property of your choice: *Accept any correct property, such as: 8 sides; 8 vertices; all sides the same length*



2)



I have 6 sides.

I have 5 vertices.

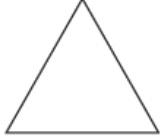
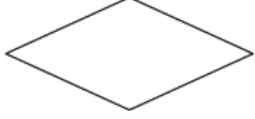
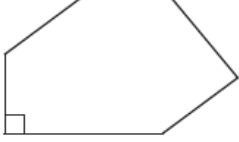
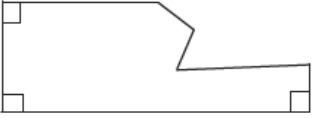
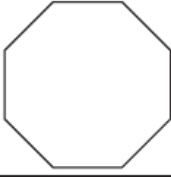
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2D Shape Draw

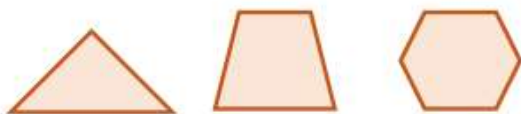
Read the instructions carefully and draw shapes that match the description in the boxes. Don't forget to use a ruler!

Shape	Special Requirements	
Triangle	All angles smaller than right angles.	
Quadrilateral	Two angles larger than a right angle. Two angles smaller than a right angle.	
Pentagon	2 right angles	
Hexagon	1 right angle	
Heptagon	3 right angles	
Octagon	All angles wider than 90 degrees.	

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Spicy

What is the same and what is different about these shapes?



Draw at least one shape in each section of the diagram.

	At least one right angle	No right angles
4 sided		
Not 4 sided		

Possible answers:
All have at least 1 line of symmetry.
They have different number of sides/angles.
Only the triangle has a pair of perpendicular sides.

Many possible answers.

Rosie describes a 2-D shape.



My shape has 2 pairs of parallel sides. The lengths of the sides are not all equal.

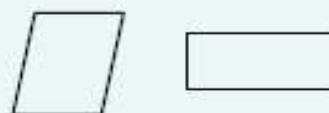
Draw the shape that Rosie is describing.

Could this square be Rosie's shape?



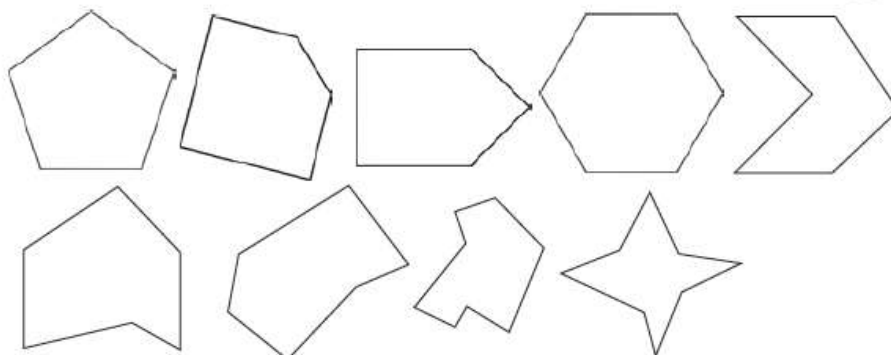
Explain why.

Children could draw:



No this can't be Rosie's shape, because the lengths of the sides are equal.

- 1) Colour the pentagons blue and the hexagons red. Leave any blank that are neither.

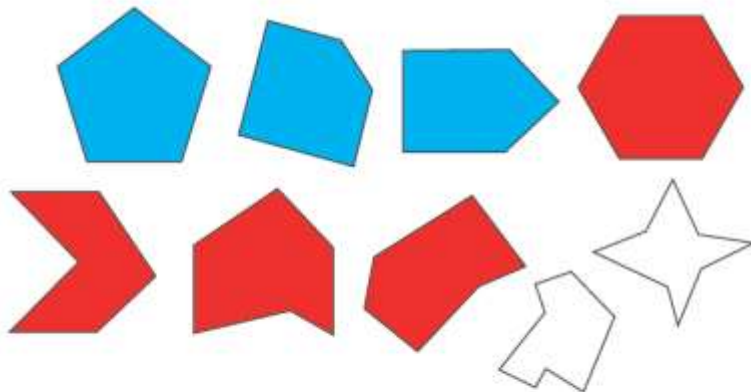


Why have you left those particular shapes blank?

- 2) Explain what these shapes have in common:



1)



Answers such as: *They have 8 sides and 8 vertices so they are octagons, not pentagons or hexagons.*

- 2) *Answers may include: one or more lines of symmetry, one or more obtuse angle, straight sides.*

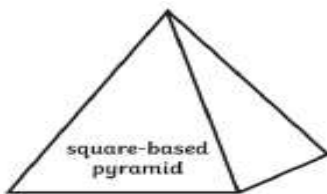
Wednesday

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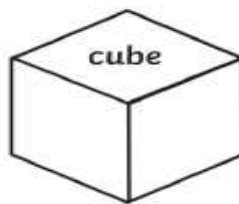
<https://whiterosemaths.com/homelearning/year-3/>

Recognise 3D Shapes

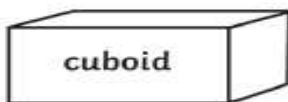
Mild



edges _____
faces/surfaces _____
vertices _____



edges _____
faces/surfaces _____
vertices _____



edges _____
faces/surfaces _____
vertices _____



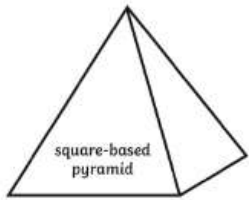
edges _____
faces/surfaces _____
vertices _____



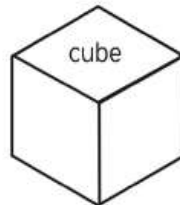
edges _____
faces/surfaces _____
vertices _____



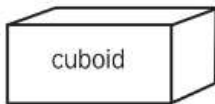
edges _____
faces/surfaces _____
vertices _____



edges - 8
faces/surfaces - 5
vertices - 5



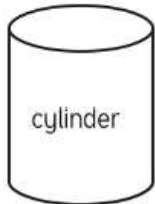
edges - 12
faces/surfaces - 6
vertices - 8



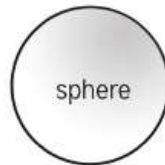
edges - 12
faces/surfaces - 6
vertices - 8



edges - 1
faces/surfaces - 2
vertices - 1



edges - 2
faces/surfaces - 3
vertices - 0

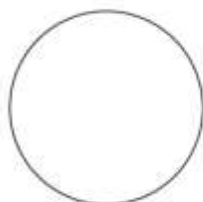


edges - 0
faces/surfaces - 1
vertices - 0

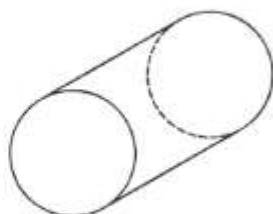
Q: Can you spot any 3D shapes in your house? Try sketch them in your notebook, write what they are and what you know about that shape.

Medium

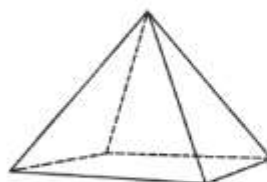
Name the 3D Shape



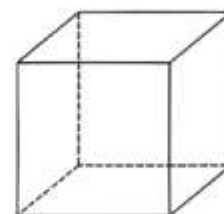
Shape of faces: _____
Number of vertices: _____
Number of edges: _____
Name: _____



Shape of faces: _____
Number of vertices: _____
Number of edges: _____
Name: _____



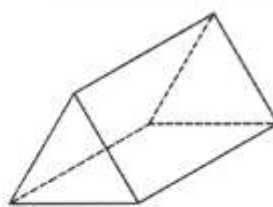
Shape of faces: _____
Number of vertices: _____
Number of edges: _____
Name: _____



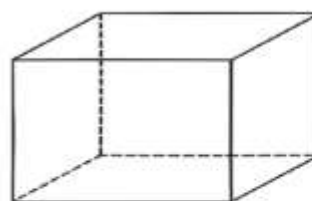
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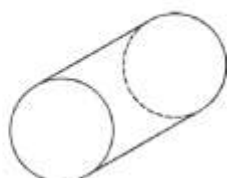
Shape of faces: _____
Number of vertices: _____
Number of edges: _____
Name: _____



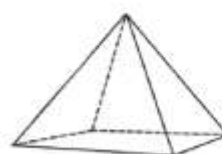
Name the 3D Shape **Answers**



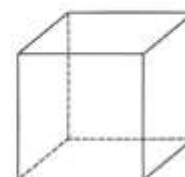
Shape of faces: **circular**
Number of vertices: **0**
Number of edges: **0**
Name: **sphere**



Shape of faces: **circular and rectangle**
Number of vertices: **0**
Number of edges: **2**
Name: **cylinder**



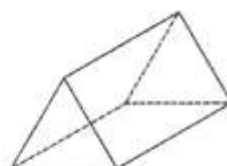
Shape of faces: **triangular and rectangular**
Number of vertices: **5**
Number of edges: **8**
Name: **rectangular pyramid**



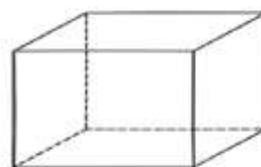
Shape of faces: **square**
Number of vertices: **8**
Number of edges: **12**
Name: **cube**



Shape of faces: **circular**
Number of vertices: **0**
Number of edges: **1**
Name: **cone**



Shape of faces: **triangular and rectangular**
Number of vertices: **6**
Number of edges: **9**
Name: **triangular prism**

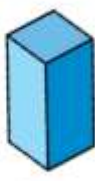


Shape of faces: **rectangular**
Number of vertices: **8**
Number of edges: **12**
Name: **cuboid**

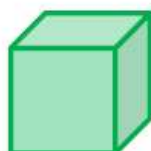
Complete the table.

Shape	Faces	Edges	Vertices
 Triangular prism	5		
 Cuboid		12	

8 Complete the table.

Shape	Faces	Edges	Vertices
 Triangular prism	5	9	6
 Cuboid	6	12	8

 Describe this 3-D shape.



This shape is a _____.
It has ____ faces.
It has ____ edges.
It has ____ vertices.

-Cube

6

12

8

Spicy

Mo has a 3-D shape, he says,



One face of my 3-D shape is a square.

What could Mo's shape be?

Alex says,



All 3-D shapes are prisms.

Do you agree with Alex?
Explain why.

Sort a selection of 3-D shapes using the criteria in the table.

	At least one triangular face	No triangular faces
Prism		
Not a prism		

Change the headings of the table and re-sort your shapes.

Possible answers:
Cube
Cuboid
Square based pyramid

Various possibilities depending on the shapes used.

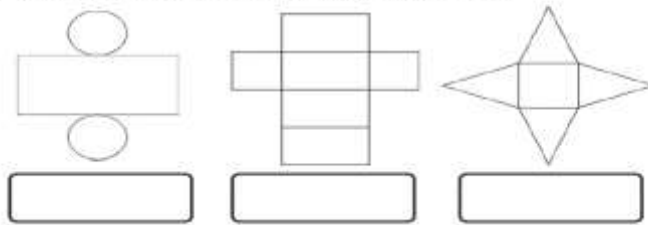
I do not agree with Alex e.g. cones
pyramids, spheres are not prisms.

- 1) Use an **Alien Shape Net** of your choice to create **one** 3D alien. Write these facts in your book:



- Shape name;
- Face shapes;
- Number of vertices;
- Number of faces;
- Number of edges;
- Curved surface, flat face or both.

- 2) Which shapes are made with these nets?



1) *Multiple answers possible, depending on the shape made.*

2) *cylinder, cuboid, square-based pyramid*

Answer:

Thursday

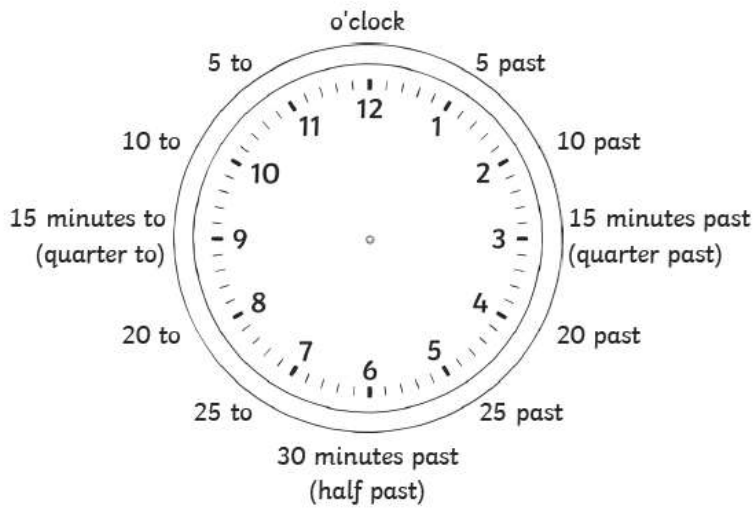
<https://www.bbc.co.uk/bitesize/tags/zmyxxyc/year-3-and-p4-lessons/1>

<https://whiterosemaths.com/homelearning/year-3/>

Telling the time to the nearest five minutes

Mild

- 1) Write the time shown underneath each clock. Use this labelled clock to help.



d)



e)



f)



a)



b)



c)



a. 5 past 6

b. 20 to 2

c. 25 past 10

d. quarter to 4

e. 10 past 7

f. 25 to 11

1) Write the time shown on each clock.



a) _____ to _____



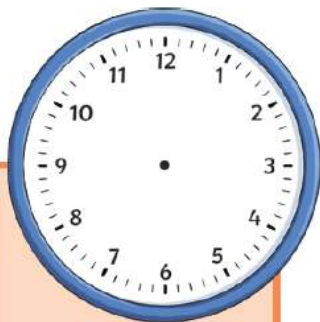
b) _____ minutes past _____

1) a) **quarter** to **1**

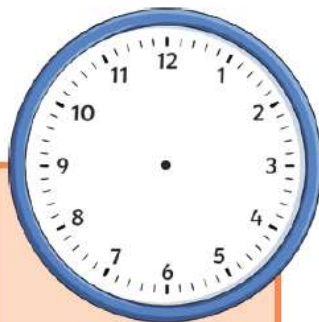
b) **25 minutes** past **2**

Medium

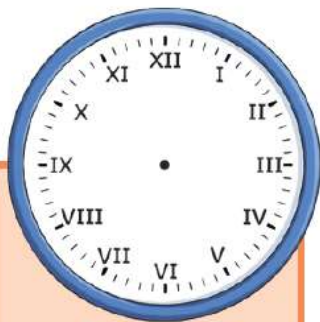
2) Draw hands to show the times given.



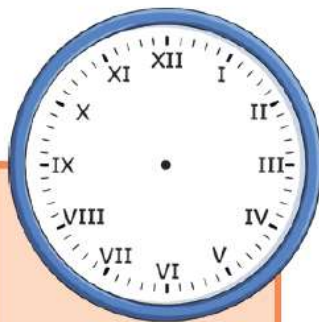
a) 25 past 6



b) 25 to 6



c) quarter past 5



d) quarter to 5

2)



a) 25 past 6



b) 25 to 6



c) quarter past 5



d) quarter to 5

1) Match the time to the correct clock face.
Which time is left over?



5 minutes past 6



20 minutes to 4

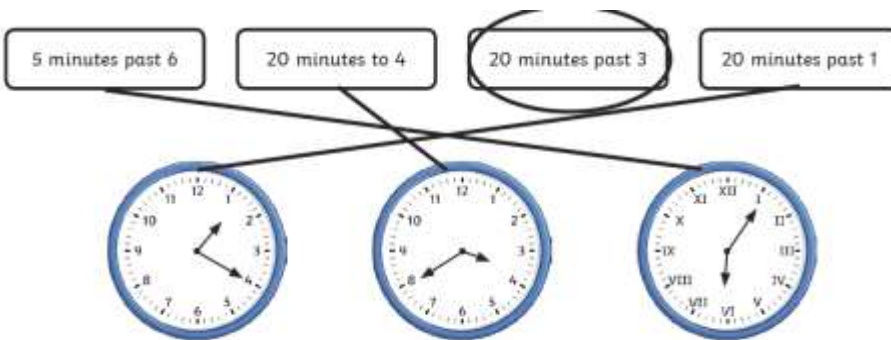


20 minutes past 3



20 minutes past 1

1)



e)



f)



4.15/12.35/11.40

h)



2) Write the time shown underneath each clock.

a)



b)



c)



5 past 7/ 10 to 6/ 25 past 1

2) Draw hands on each clock to show the time.

a)



quarter to 3

b)



5 past 8

c)



20 past 5

d)



5 to 2

e)



25 past 11

f)



10 to 1

a.



b.



c.



d.



e.

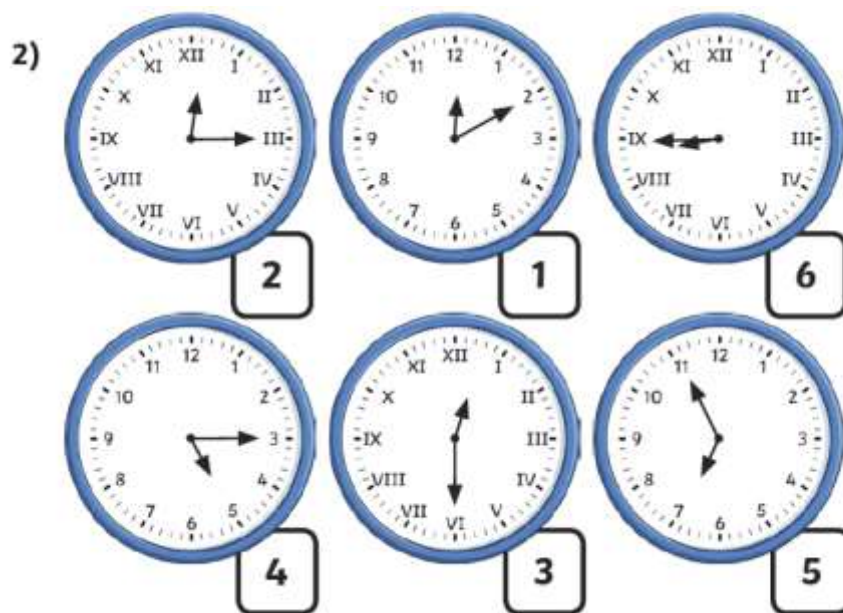
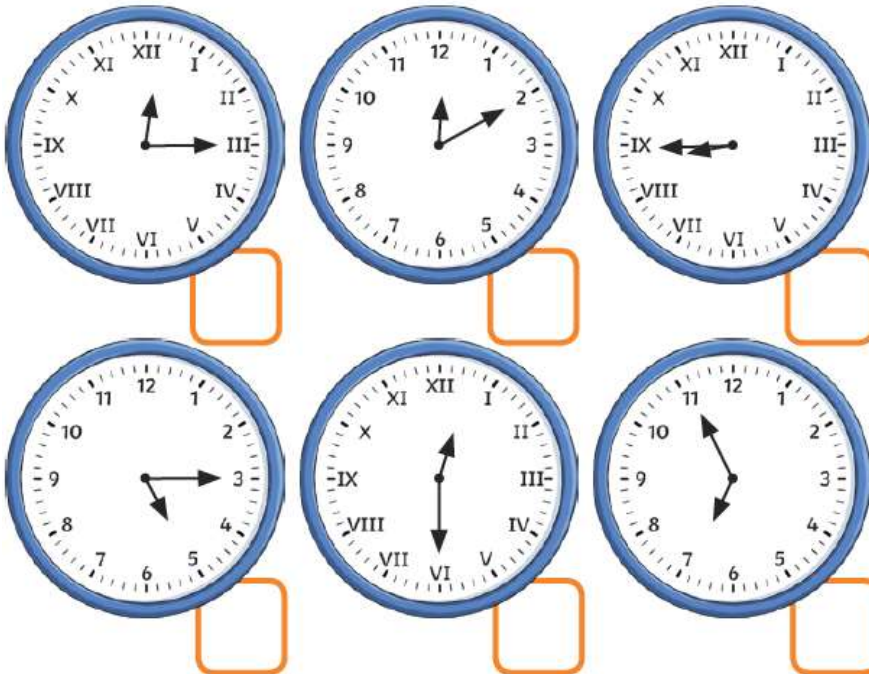


f.



Spicy

- 2) Each clockface shows times in the afternoon or evening. Order the times from earliest (1) to latest (6).



- 3) Year 3 are discussing the time shown on the analogue clock.



Phoebe

The hour hand isn't on 5 so it must be ten minutes to 4.



Matthew

The clock shows ten minutes to five.

Which of the children do you agree with? Explain your answer fully.

Matthew as he has recognised that the minute hand is showing it is 10 mins until 5 O'Clock

- 3) Year 3 went to the theatre. The show started at 20 past 1.



- a) Which of the clock faces show the latest time that year 3 could have sat in their seats, without missing any of the show. Explain fully.
- b) If year 3 sat in their seats at the time shown on the first clock, would they have been early or late? Explain your answer.

1.15pm-5 minutes before

Late as it was 15 minutes after

Friday

Times Table Rockstars



Have a go at your times tables on TTRockstars this week. Maybe you could battle with one of your friends? We can't wait to see how much your times tables have improved!

Purple Mash - Have a go at pairing the 3D shapes and see how well you do!



Quiz

1 Complete these number sentences.

$$5 + 5 + 5 + 5 = \square \times 5$$

$$2 + 2 + 2 + 2 + 2 = \square \times 5$$

$$10 + 10 + 10 = \square \times 5$$

$$5 - 5 = \square \times 5$$

2 Lou has 5 bananas.



Dan has 8 times as many.

How many bananas do they have in total?

3 A bag contains 100 counters.

Susie takes out 26 counters.

Mark takes out 39 counters.

How many counters are left in the bag?

1 Complete these number sentences.

$$5 + 5 + 5 + 5 = \boxed{4} \times 5$$

$$2 + 2 + 2 + 2 + 2 = \boxed{2} \times 5$$

$$10 + 10 + 10 = \boxed{6} \times 5$$

$$5 - 5 = \boxed{0} \times 5$$

2 Lou has 5 bananas.



Dan has 8 times as many. $5 \times 8 = 40$
 $40 + 5 = 45$

How many bananas do they have in total?
They have 45 bananas in total.

3 A bag contains 100 counters.

Susie takes out 26 counters.

Mark takes out 39 counters.

How many counters are left in the bag?
 $100 - 26 = 74$
 $74 - 39 = 35$

There are 35 counters left in the bag.



1 Complete these number sentences.

$$25 + 25 + 25 + 25 = \square \times 25$$

$$10 + 10 + 10 + 10 = \square \times 5$$

$$25 + 25 + 25 + 25 = \square \times 5$$

$$25 + 25 + 25 + 25 = \square \times 100$$

$$25 + 25 - 25 - 25 = \square \times 25$$

1 Complete these number sentences.

$$25 + 25 + 25 + 25 = \boxed{4} \times 25$$

$$10 + 10 + 10 + 10 = \boxed{8} \times 5$$

$$25 + 25 + 25 + 25 = \boxed{20} \times 5$$

$$25 + 25 + 25 + 25 = \boxed{1} \times 100$$

$$25 + 25 - 25 - 25 = \boxed{0} \times 25$$

2 Louise is thinking of a 4-digit number.
Here are some clues to the number.

The number lies between 4,000
and 5,000

All the digits are different

The digit in the tens place is twice
the digit in the thousands place

The sum of the digits is 24

The number is odd

2 Louise is thinking of a 4-digit number.
Here are some clues to the number.

The number lies between 4,000
and 5,000

All the digits are different

The digit in the tens place is twice
the digit in the thousands place

The sum of the digits is 24

The number is odd

What could Louise's number
be? **4,983 , 4,389**
4,587 , 4,785