SATs in Minutes Organiser

Video organiser for 23 SATs questions and variant questions

Reasoning Paper 2, 2017

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William asks the children in Year 2 and Year 6 if they walk to school.

This graph shows the results.



Altogether, how many children don't walk to school?

1 mark

How many more Year 6 children than Year 2 children walk to school?



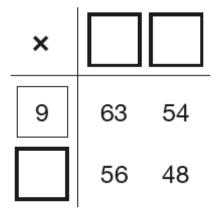


Circle the number that is 10 times greater than nine hundred and seven.

9,700 907 9,007 970 9,070



Write the missing numbers to make this multiplication grid correct.

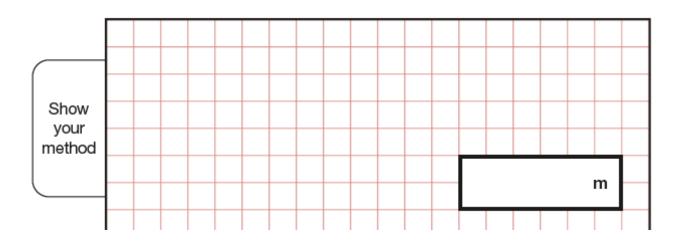




This table shows the heights of three mountains.

Mountain	Height in metres
Mount Everest	8,848
Mount Kilimanjaro	5,895
Ben Nevis	1,344

How much higher is Mount Everest than the combined height of the other two mountains?



2 marks

What is the difference between the numbers of people living in Bedford and in Dover?



Complete this table with the missing numbers.

One row has been done for you.

Number	1,000 more
3,500	4,500
85	
	9,099
	15,250



Write these numbers in order of size, starting with the smallest.

1.9

0.96

1.253

0.328

smallest

1 mark



Click here or use the link to view your video.

bit.ly/Q6_P2_2017_SiM

Write the missing numbers.

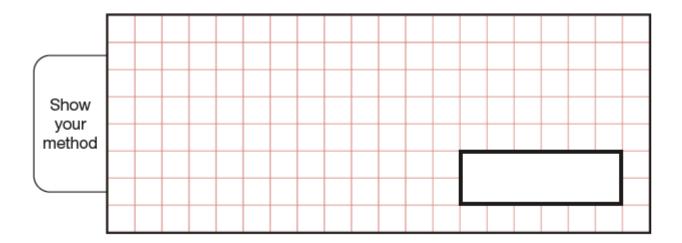


At the start of June, there were 1,793 toy cars in the shop.

During June,

- · 8,728 more toy cars were delivered
- 9,473 toy cars were sold.

How many toy cars were left in the shop at the end of June?

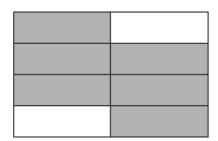


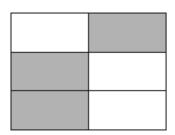
2 marks

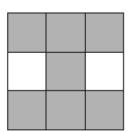


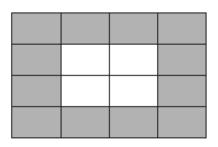
10

Tick two shapes that have $\frac{3}{4}$ shaded.









1 mark



Click here or use the link to view your video.

bit.ly/Q9_P2_2017_SiM

Round **84,516**

to the nearest 10	
to the nearest 100	
to the nearest 1,000	

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bit.ly/Q10_P2_2017_SiM

Here is a rule for the time it takes to cook a chicken.

Cooking time = 20 minutes plus an extra 40 minutes for each kilogram

How many minutes will it take to cook a 3kg chicken?

minutes

1 mark

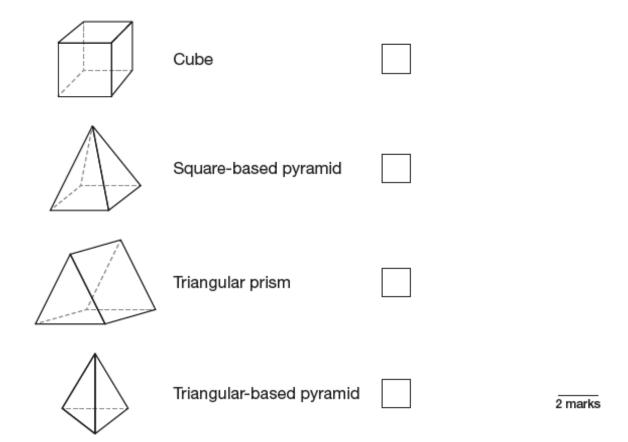
What is the mass of a chicken that takes 100 minutes to cook?

kg



Here are diagrams of some 3-D shapes.

Tick each shape that has the same number of faces as vertices.





Ally and Jack buy some stickers.



Pack of 12 stickers £10.49

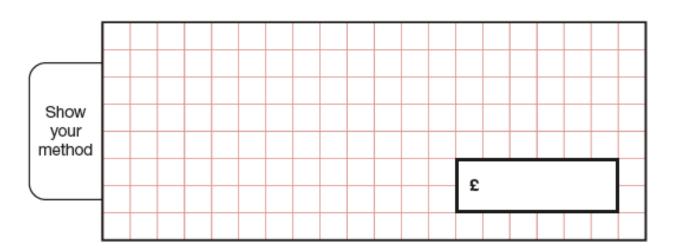


12 stickers 99p each

Ally buys a pack of 12 stickers for £10.49

Jack buys 12 single stickers for 99p each.

How much more does Jack pay than Ally?





Amina planted some seeds.

For every 3 seeds Amina planted, only 2 seeds grew.

Altogether, 12 seeds grew.

How many seeds did Amina plant?





At the end of a film, the year is given in Roman numerals.

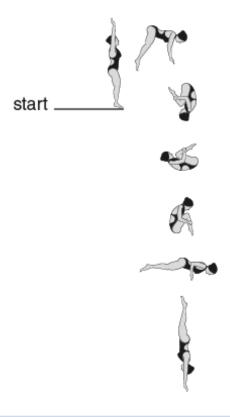


Write the year MMVI in figures.





Layla completes one-and-a-half somersaults in a dive.



How many degrees does Layla turn through in her dive?





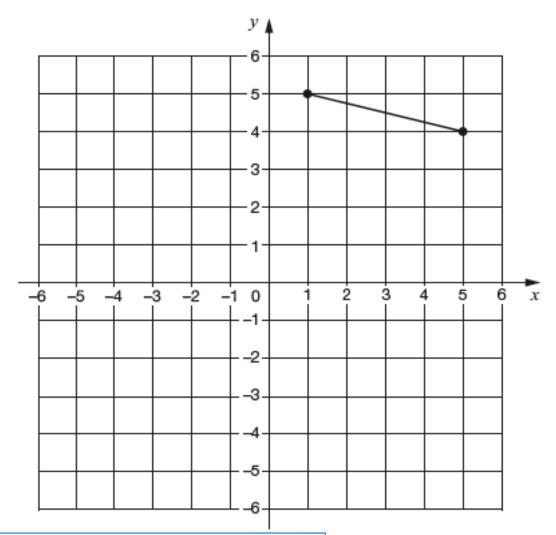
The vertices of a quadrilateral have these coordinates.

- (1, 5) (5, 4) (1, -3) (-3, 4)

One side of the quadrilateral has been drawn on the grid.

Complete the quadrilateral.

Use a ruler.



1 mark



Click here or use the link to view your video.

A cat sleeps for 12 hours each day.

50% of its life is spent asleep.



Write the missing percentage.

A koala sleeps for 18 hours each day.



of its life is spent asleep.





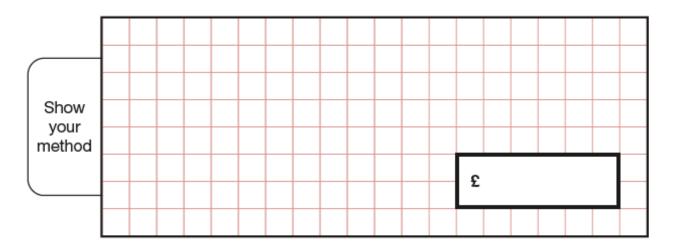
Amina posts three large letters.

The postage costs the same for each letter.

She pays with a £20 note.

Her change is £14.96

What is the cost of posting one letter?



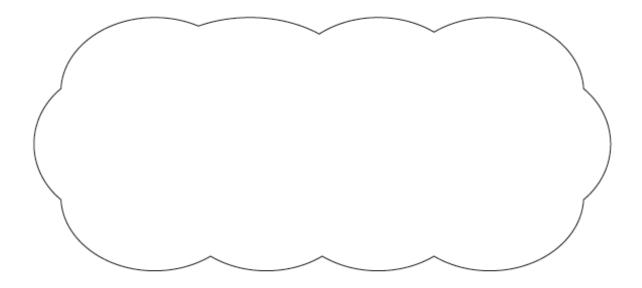


Adam says,

0.25 is **smaller** than $\frac{2}{5}$



Explain why he is correct.



1 mark

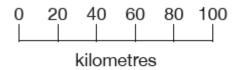


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bit.ly/Q20_P2_2017_SiM

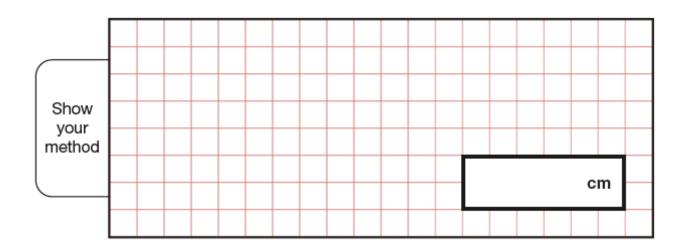
23

On a map, 1cm represents 20 km.



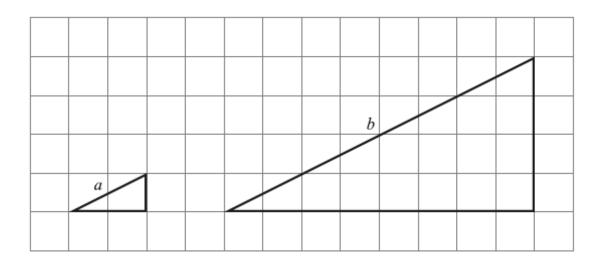
The distance between two cities is 250 km.

On the map, what is the distance between the two cities?





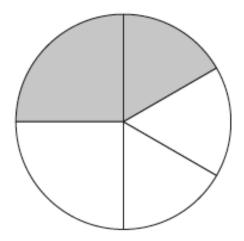
Here are two similar right-angled triangles.



Write the ratio of side a to side b.



In this circle, $\frac{1}{4}$ and $\frac{1}{6}$ are shaded.



What fraction of the whole circle is not shaded?

