

Q1. Put these times in order, starting with the shortest.

5 minutes 20 seconds 1 minute 100 seconds

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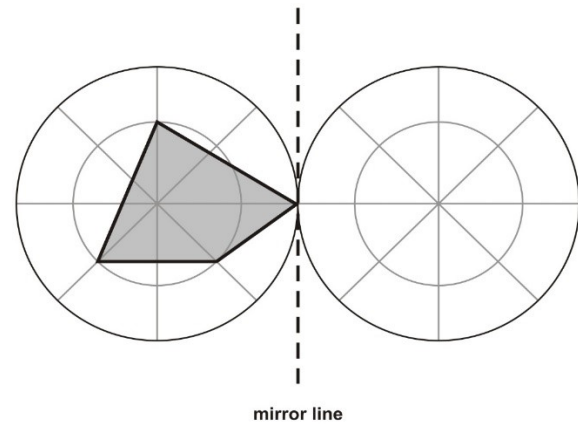
shortest

Q2. Join each box to the correct number. One has been done for you.

6 × 5	30
half of 98	32
double 4 × 4	44
	49

Q3. Calculate 239 + 182

Q4. Draw the reflection of the shaded shape in the mirror line.



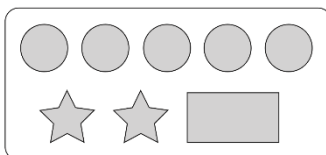
Q5. Park School collects money for three charities. This pictogram shows how much they have collected.

stands for £100

How much more have they collected for Save Dolphins than Plant-a-Tree?

The target for Wildwatch is £500. How much more money do they need to collect for Wildwatch?

How much money have they collected altogether, rounded to the nearest hundred pounds?



Q8. On a sheet of stickers there are 5 circles, 2 stars and one rectangle.

How many stickers are there altogether on 4 sheets?

Nisha needs 55 circles. How many sheets of stickers does she need?

Ben has 10 sheets of stickers. How many more circles than rectangles does he have?

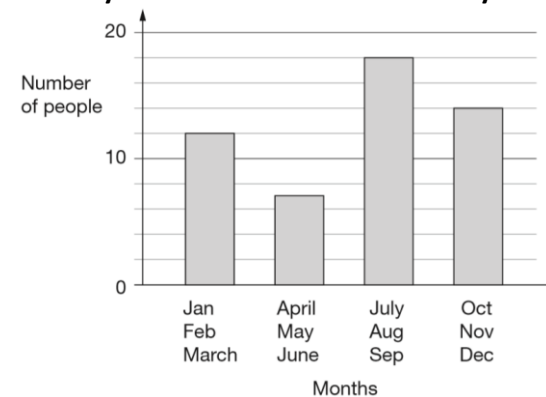
Q6. The numbers in this sequence increase by 75 each time.

Write in the two missing numbers.

	725	800	875	950	
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Q7. A square always has four sides. Is it true that a four-sided shape is always a square? Explain how you know.

Q9. Class 6 did a survey of birthday dates. This chart shows the number of people with birthdays in each three months of the year.



From the chart, how many people have a birthday before July?

Nobody has a birthday in October. Six people have a birthday in November. How many people have a birthday in December?



Q10. Here is a number chart.

Circle the smallest number on the chart that is a multiple of both 2 and 7

71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Here is the same chart.

Circle the largest number that is not a multiple of 2 or 3 or 5

71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Q11. A shop sells hats and scarves.



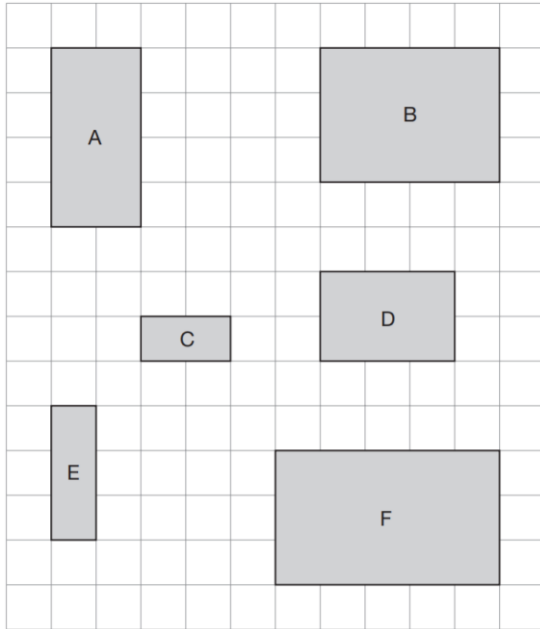
Ben buys one of the scarves and the £4.50 hat. How much change does he get from £20?

Emily buys two scarves and a hat. What is the most she could pay?



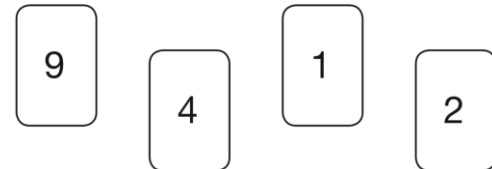
Q12. Here are six rectangles on a grid.

Which two rectangles fit together, without overlapping, to make a square?



Q13. Calculate $364 \div 7$

Q14. Here are four digit cards.



Use each digit card once to make the decimal number nearest to 20



Q15. Here is part of the timetable for Class 6 on a Monday.

am			pm		
10:35	10:55	11:45	12:20	1:15	2:15
break	History	Science	lunch	PE	

How long is it from the end of break to the start of lunch?

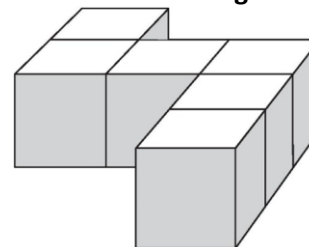
Nisha leaves the Science lesson after 25 minutes to go to the dentist.

What time does she leave the Science lesson?

Q16. Calculate 45.3×6

Q17. Emily has 6 cubes.

She sticks them together to make this model.



She paints the sides of the model grey all the way round.

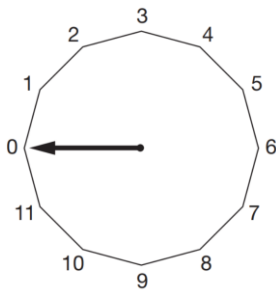
She leaves the top and bottom of the model white.

How many of the cubes in the model have exactly two faces painted grey?





Q18. This regular 12-sided shape has a number at each vertex.

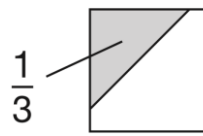


Ben turns the pointer from zero, clockwise through 150° . Which number will the pointer now be at?

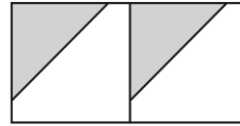
Nisha turns the pointer clockwise from number 2 to number 11. Through how many degrees does the pointer turn?



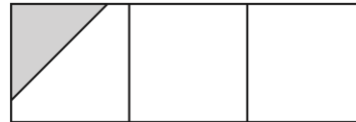
Q19. $\frac{1}{3}$ of this square is shaded.



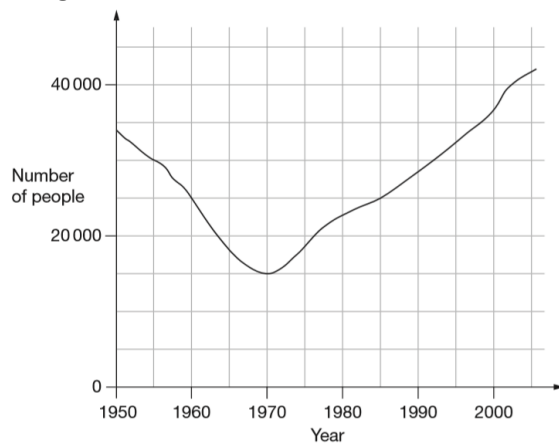
The same square is used in the diagrams below. What fraction of this diagram is shaded?



What fraction of this diagram is shaded?



Q20. This graph shows the number of people living in a town.



How many people lived in the town in 1985?

In which year was the number of people the same as in 1950?

Find the year when the number of people first went below 20 000

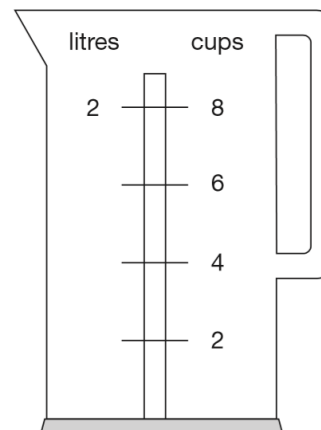


Q21. Ben thinks of a number. He adds half of the number to a quarter of the number.

The result is 60

What was the number Ben first thought of?

Q22. Nisha's kettle holds 2 litres of water.



How many millilitres are equal to 1 cup?



Q23. The numbers in this sequence increase by 7 each time.

1 8 15 22 29

The sequence continues in the same way.

Will the number 777 be in the sequence?

Explain how you know.



Q24. Emily makes 250 grams of a snack mixture. 15% of the weight is raisins, 25% is banana chips and the rest is peanuts.

How many grams of peanuts does she use?