



Q1. Write in the missing number.

$$1 + 10 + \boxed{} = 100$$



Q2. Put these temperatures in order, starting with the lowest.

21°C -13°C -24°C 0°C 35°C

°C °C °C °C °C

lowest



Q3. These are some prices in a fish and chip shop.

Fish	£2.30	Peas	35p
Sausage	£1.80	Curry sauce	40p
Chips (small bag)	60p	Bread roll	30p
Chips (large bag)	90p	Pickled onion	28p

Alfie buys one fish, a large bag of chips and a pickled onion. How much does he pay?



Megan buys a sausage and a bread roll. Chen buys a small bag of chips and a curry sauce.

How much more does Megan pay than Chen?



Q4. Here is a doubling sequence. Write the three missing numbers.

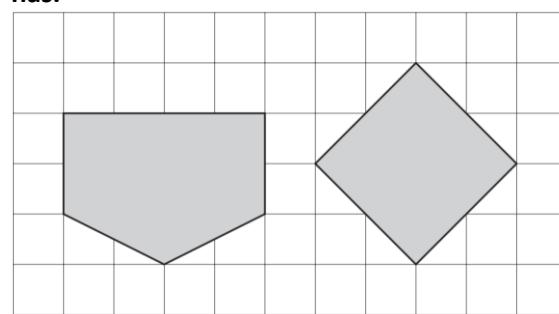
×2 ×2 ×2 ×2

38

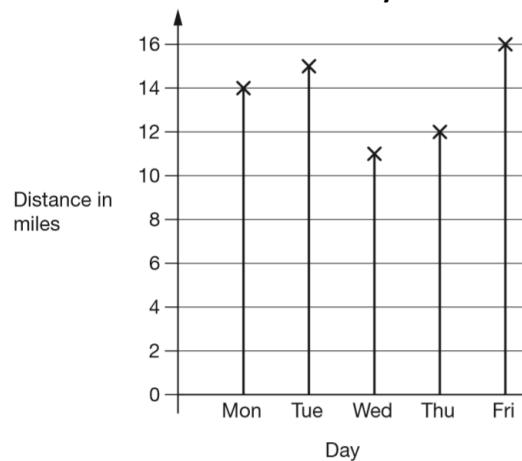
152



Q5. Here are two shapes on a square grid. For each shape, write how many right angles it has.



Q6. Amy went on a cycling holiday. This chart shows how far she cycled each day.



How much further did Amy cycle on Friday than on Wednesday?

How far did Amy cycle altogether on the three days she cycled the most?



Q7. Megan has a rectangular tile with this design on it.



Here are five more rectangular tiles. Tick all the tiles that have the same design as Megan's tile.



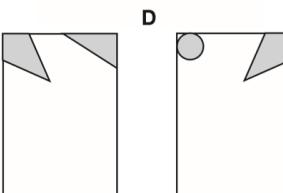
A



D



B



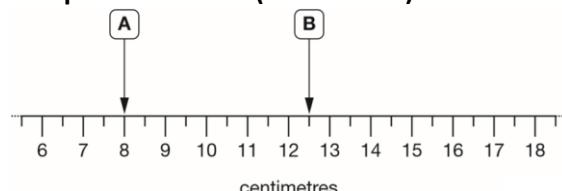
C



E



Q8. Here is part of a centimetre scale, with two points marked. (not to scale)

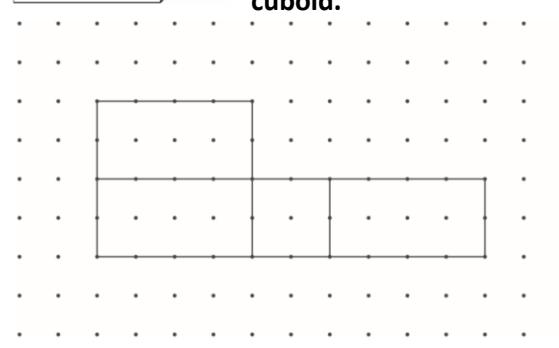
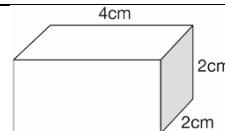


What is the distance between point A and point B?

Point C is twice as far from point A as it is from point B. On the scale above, mark one place where point C could be.

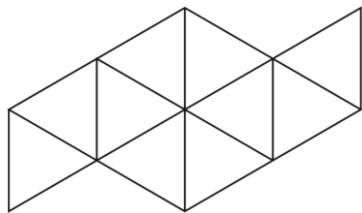


Q9. Look at the cuboid. Draw two more faces to complete the net of the cuboid.

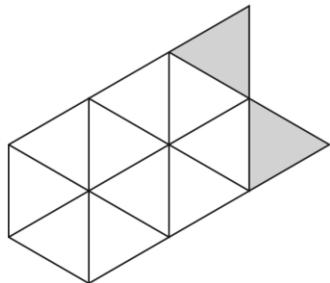




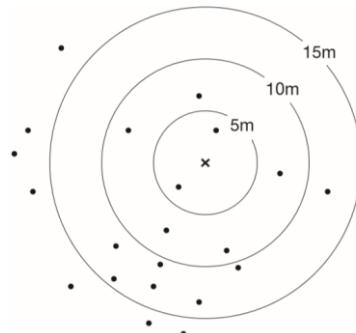
Q10. Shade $\frac{1}{5}$ of this shape.



Shade more triangles on this shape so that $\frac{1}{3}$ is shaded.



Q11. Class 6 did a survey of mushrooms growing in a field. The diagram shows the distances of mushrooms from the centre of the field.



• is the centre of the field
• is a mushroom

How many mushrooms were more than 10 metres from the centre?

What fraction of the mushrooms were less than 10 metres from the centre?



Q12. Seb had some cherries. Every day he ate 10 cherries and gave 5 away. After he gave the last 5 cherries away, he had eaten 40 cherries altogether. How many cherries did Seb have at the start?



Q13. Here are five number cards.

48	49	50	51	52
----	----	----	----	----

Use each card once to make every statement below correct.

_____ is a multiple of 3

_____ is a multiple of 4

_____ is a multiple of 5

_____ is a multiple of 6

_____ is a multiple of 7



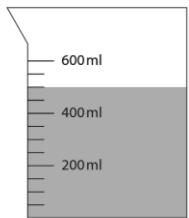
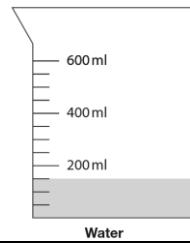
Q14. Write in the missing number.

$$8.5 + 14.7 = 10.2 + \boxed{}$$



Q15. One jug contains water and the other jug contains oil.

How much more oil is there than water?



Q16. Write the missing number in each calculation.

$$25 \div \boxed{} = 3 \text{ remainder } 4$$

$$35 \div \boxed{} = 4 \text{ remainder } 3$$



Q17. Here is part of the morning bus timetable from Winton to Yansley.

Winton	9:35	9:55	10:15	10:35
Ingham	9:45	10:05	10:25	10:45
Carston	10:01	10:21	10:41	11:01
Dubley	10:23	10:43	11:03	11:23
Yansley	10:55	11:15	11:35	11:55

How many minutes does the bus take to get from Ingham to Dubley?

Megan is in Carston.

She wants to be in Yansley before 11:30

What is the time of the latest bus she can take from Carston?

One morning, the 10:35 bus from Winton gets to Carston 3 minutes early.

What time does it get to Carston?



Q18. Circle the number that is closest to 20

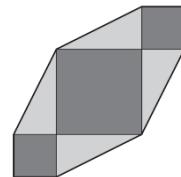
19.95 20.1 19.09 20.09 20.201



Q19. Calculate $936 \div 36$



Q20. Chen has some right-angled triangular tiles.



He makes this shape with four of his triangular tiles and three square tiles. What is the perimeter of Chen's shape?



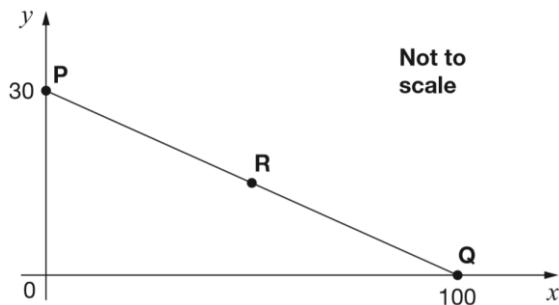
Q21. The numbers in this sequence increase by equal amounts each time.

Write in the three missing numbers.

1	<input type="text"/>	<input type="text"/>	<input type="text"/>	7
---	----------------------	----------------------	----------------------	---



Q22. In this diagram R is an equal distance from P and Q.



What are the coordinates of R?



Q23. Megan and Chen each have a bag of counters.

- Megan's bag has 5 blue counters and 5 green counters.
- Chen's bag has 10 blue counters, 5 green counters and 5 red counters.

They each take a counter from their bag without looking.

Chen says, 'I am more likely than Megan to take a blue counter.'

Is Chen correct? Explain how you know.