

Test 6

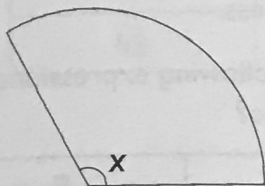
You have 10 minutes to complete this test.

You have 10 questions to complete within the given time.



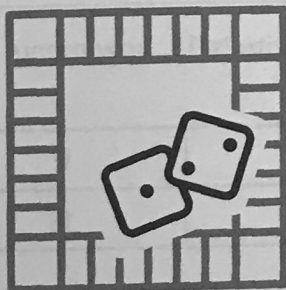
Circle the letter next to the correct answer.

- 1 What is the approximate size of Angle X?



A	B	C	D	E
50°	90°	45°	60°	120°

- 2 The Puzzle People offered a discount of 20% off the list price on all board games and 10% off the list price on all toys. Jane bought both a board game and a toy. The list prices of the 2 items are shown below.



Board game - £22



Toy - £10

How much did Jane pay in total once the discounts were applied?

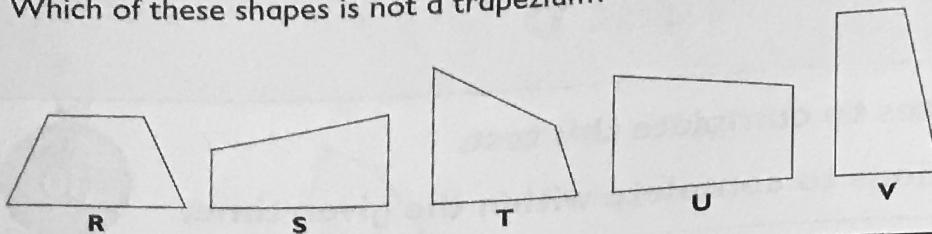
A	B	C	D	E
£25.50	£31.40	£26.60	£26.06	£11.80

- 3 What fraction of 2.8 litres is 600 ml?

A	B	C	D	E
$\frac{3}{28}$	$\frac{6}{14}$	$\frac{3}{14}$	$\frac{12}{18}$	$\frac{6}{25}$

Questions continue on next page

- 4 Which of these shapes is not a trapezium?



A	B	C	D	E
R	U	T	S	V

- 5 In a quiz show, 2 out of every 3 participants complained of nervousness. If there were 60 participants in the quiz show in total, which of the following expressions shows the number of participants that didn't complain of nervousness?

A	B	C	D	E
0.04×60	0.4×60	4×6060	0.66×60	$60 \div 3$

- 6 The table below shows the favourite genre of music of a group of people.

Music genre	Country	Jazz	Pop	Classical
Number of people who chose genre as favourite	11	19	25	?

If the mean number of people who chose each genre as their favourite is 15, how many people chose classical music as their favourite?

A	B	C	D	E
5	10	12	15	13

- 7 Below is the complete programme of a school assembly.

Programme	Duration
News roundup	10 minutes
Headteacher's update	12 minutes
Roll of honour	6 minutes

If the assembly began at 8.45 am, at what time did it finish?

A	B	C	D	E
9 am	9.13 am	9.03 am	9.12 am	8.59 am

- 8 Adrian is twice his sister's age. His sister will be 6 next year.

What is the current age difference in years between Adrian and his sister?

A	B	C	D	E
5	2	1	10	6

- 9 Rowan wrote down all the numbers less than 1000 that are 1 less than a square number.

Which of the following numbers did Rowan not write down?

A	B	C	D	E
48	80	24	120	142

- 10 Which of the following is equivalent to the ratio of the number of sides in an octagon to the number of lines of symmetry in a rectangle?

A	B	C	D	E
2:1	4:1	1:4	1:2	2:5