

# Test 18

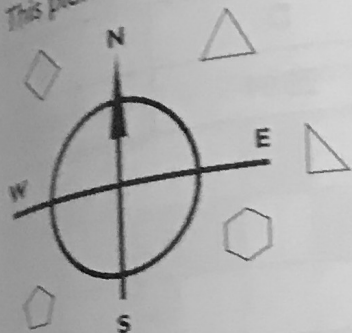
You have 10 minutes to complete this test.

You have 10 questions to complete within the given time.



Circle the letter next to the correct answer.

1 This plan shows the layout of a small village.



The 5 different-shaped symbols represent different landmarks. The church is further east than the school. To the west of the school is the castle. The park is south of the castle and the shop is east of the park.

What building does this symbol represent?

A	School
B	Church
C	Castle
D	Park
E	None of the above

2 This formula shows how to calculate the cooking time in minutes for beef:

$$\frac{\text{Weight in grams}}{\text{Temperature in } ^\circ\text{C}} \times 10$$

Using the formula, what is the cooking time for 1 kg of beef at  $200^\circ\text{C}$ ?

A	B	C	D	E
50 minutes	1 hour	30 minutes	55 minutes	40 minutes

Questions continue on next page

- 3 This table shows the power consumed in watts by different electrical appliances.

Kettle	Washing machine	Microwave	Fridge	Dishwasher
2000	500	1400	220	1200

What is the average power consumed by these appliances in watts?

A	B	C	D	E
1070	1064	1080	1320	1780

- 4 What is the difference between 21 and 0.09?

A	B	C	D	E
21.01	20.1	20.01	20.91	21.09

- 5 Shaun mixes half a litre of juice with 600 ml of water.

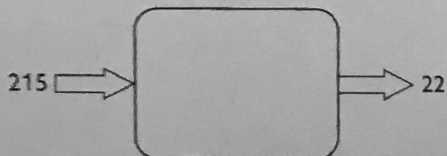
What is the volume of his mixture?

A	B	C	D	E
600 ml	1500 ml	1100 ml	1200 ml	900 ml

- 6 Which of the following is a factor of both 60 and 36?

A	B	C	D	E
8	12	10	9	15

- 7 The input and output of a function machine are shown below.



Which of the following describes the function that turns the input number into the output number?

A	Divide by 5 and take away 11
B	Take away 189
C	Take away 191
D	Divide by 10 and add 0.5
E	Divide by 10 and subtract 1.5

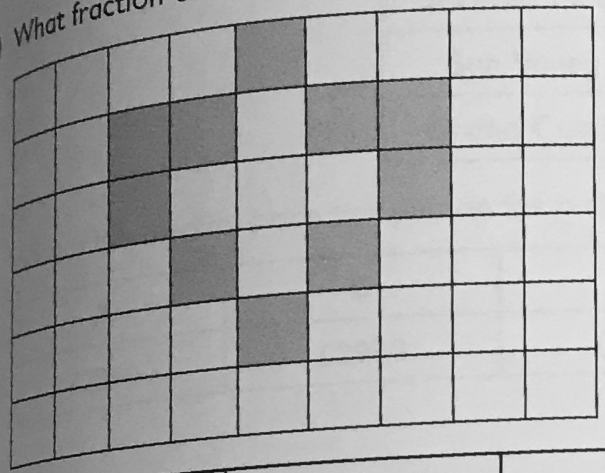
8 What is the mean of the odd numbers between 10 and 20?

A	B	C	D	E
17	75	15	19	11

9 Ryan collects twice as many shells as his sister. If they collect 54 shells in total, how many did Ryan collect?

A	B	C	D	E
18	36	24	40	15

10 What fraction of the squares on the grid below are shaded grey?



A	B	C	D	E
$\frac{10}{56}$	$\frac{5}{29}$	$\frac{11}{56}$	$\frac{3}{4}$	$\frac{5}{27}$