

# Bond

No.1 for exam success

## 11+ Maths

### Multiple-choice Test Papers

### Pack 2

### Test 2

Read the following carefully:

- Do not begin the test or open the booklet until told to do so.
- Work as quickly and as carefully as you can.
- Answers should be marked in pencil in the answer booklet provided, not in this test booklet.
- You may do rough working on a separate sheet of paper.
- If you make a mistake rub out the mistake and write the new answer clearly.
- Be careful to keep your place in the accompanying answer booklet.
- You will have 50 minutes to complete the test.
- Calculators should not be used.

## OXFORD

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1 Which of these numbers has 8, 6 and 4 as three of its factors?

A 32

B 48

C 54

D 18

E 36

2 Read the following statement.

'A four-sided shape with opposite sides that are parallel and of equal length.'

What shape is being described?

A trapezium

B pentagon

C rhombus

D isosceles triangle

E prism

3 Which is the largest number?

A 34.5

B 3453.0

C 345.0

D 3450.3

E 345.5

4 Approximately how much does an average car weigh?

A 2 tonnes

B 2000 grams

C 200 kilograms

D 20 000 grams

E 200 000 kilograms

5 On one day in January the temperature reached  $2^{\circ}\text{C}$ . That night the temperature fell by  $11^{\circ}\text{C}$ . What did the temperature drop to?

A  $-2^{\circ}\text{C}$

B  $-11^{\circ}\text{C}$

C  $-13^{\circ}\text{C}$

D  $-9^{\circ}\text{C}$

E  $-7^{\circ}\text{C}$

6 92 children and 10 adults were going on a school trip. Parents were asked to help provide transport. Each parent could take four children in each car. If the 10 adults all took their cars, how many other adults with cars would be needed?

A 12

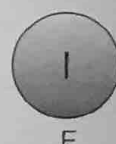
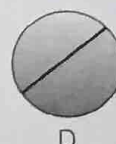
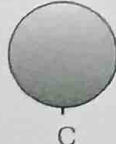
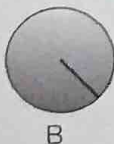
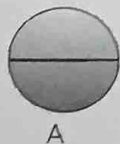
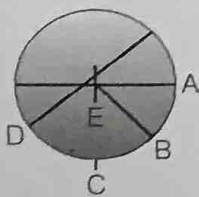
B 26

C 15

D 18

E 13

7-8 Which lines show the diameter and circumference of the circle?



9 Find the missing digit.  $56.89 + 21.\text{?}7 = 78.26$

A 2

B 3

C 4

D 5

E 7

Continue to the next page

- 10 Hannah wrote a number on a piece of paper and hid it from her friend, Jake. She gave him two clues and he then had to guess the correct number. What number do you think she wrote down?

My number is larger than 47  
but less than 58.  
It is a prime number

A 47                      B 49                      C 51                      D 53                      E 56

- 11 Which two numbers multiplied together equal 544?

A  $14 \times 34$               B  $34 \times 16$               C  $32 \times 14$               D  $16 \times 32$               E  $15 \times 31$

- 12 Which of the following shows these fractions in order, smallest first?

A  $\frac{6}{20}, \frac{1}{10}, \frac{2}{5}, \frac{5}{10}, \frac{1}{4}$   
B  $\frac{1}{10}, \frac{1}{4}, \frac{6}{20}, \frac{2}{5}, \frac{5}{10}$   
C  $\frac{1}{10}, \frac{1}{4}, \frac{2}{5}, \frac{5}{10}, \frac{6}{20}$   
D  $\frac{1}{10}, \frac{6}{20}, \frac{1}{4}, \frac{2}{5}, \frac{5}{10}$   
E  $\frac{1}{10}, \frac{1}{4}, \frac{5}{10}, \frac{6}{20}, \frac{2}{5}$

- 13 Mrs Layton's bill at the butcher came to £24.38. The butcher said he wasn't worried about the change, and was happy to round the figure to the nearest pound.

How much did Mrs Layton pay?

A £23.00              B £24.50              C £24.00              D £24.38              E £25.00

- 14 The results of a class spelling test were returned. Daniel scored 21 and Jacob scored 29. Annabel's score was midway between Daniel and Jacob's. What did Annabel score?

A 22                      B 23                      C 24                      D 25                      E 26

- 15 Which of the following is a correct decimal representation of the fraction  $\frac{7}{4}$ ?

A 7.4                      B 4.7                      C 1.7                      D 1.75                      E 1.4

- 16-17 Tuhil was given £10.00 and asked to buy some bread, milk, ham and biscuits. He was allowed to keep the change.

Look at the receipt.

How much did the shopping cost Tuhil?

Bread	£1.36
Milk	£1.48
Ham	£3.65
Biscuits	£0.58

A £7.07                      B £7.17                      C £6.97                      D £6.93                      E £6.17

Tuhil decided to buy a magazine costing £2.45 with the change.

How much money did he go home with?

A 52p                      B £1.02                      C 55p                      D 45p                      E 48p

Please turn over



18 What is the square root of 64?

A 3

B 10

C 9

D 8

E 7

19 What is the missing number in this sequence?

-69, -54, \_\_\_\_\_, -24, -9

A -49

B -39

C -19

D -24

E -34

20 One chocolate bunny weighs 35.5 g. How much do 100 chocolate bunnies weigh?

A 3550 g

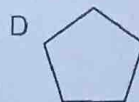
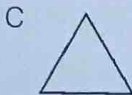
B 3.5 kg

C 3555 g

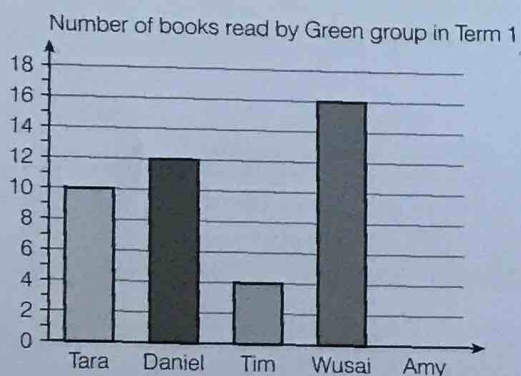
D 3 kg

E 355 g

21 Which of these shapes has parallel lines?



22-24 Look carefully at this bar chart and then answer the questions.



Amy read  $\frac{3}{7}$  the number of books that Tara and Tim read in total. How many books did Amy read?

A 2

B 5

C 6

D 8

E 7

Find the average number of books read by Green group during Term 1.

A 9

B 9.6

C 8.4

D 9.5

E 9.3

In Term 2 Green group read 58 books. Each member of Green group read the same number of books as they had in Term 1 apart from one member who doubled the number of books he/she read. Who doubled the number of books they read?

A Tara

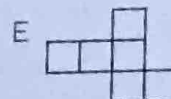
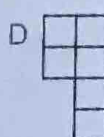
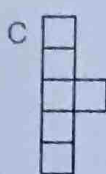
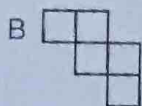
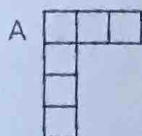
B Daniel

C Tim

D Wusai

E Amy

- 25 Which of these nets would fold to make a closed cube?



- 26 Donningwell Primary School's day begins at 8.55 a.m. It ends at 3.20 p.m.  
How many minutes do the pupils of Donningwell Primary School spend at school each day?

A 360 mins      B 385 mins      C 325 mins      D 310 mins      E 265 mins

- 27 What does  $-7^{\circ}\text{C} - 8^{\circ}\text{C}$  equal?

A  $-8^{\circ}\text{C}$       B  $-1^{\circ}\text{C}$       C  $1^{\circ}\text{C}$       D  $-15^{\circ}\text{C}$       E  $7^{\circ}\text{C}$

- 28 Which of the following has a total of 72?

A  $(3 \times 4) + 6$       B  $6 \times 3 + 4$       C  $4 \times 3 + 6$       D  $(4 \times 3) + 6$       E  $4(3 \times 6)$

- 29 At Alice's party she and her 14 friends ate  $\frac{3}{4}$  of a pizza each.  
How much pizza was eaten in total?

A  $11\frac{1}{4}$  pizzas      B  $10\frac{3}{4}$  pizzas      C 11 pizzas      D  $11\frac{3}{4}$  pizzas      E  $10\frac{1}{2}$  pizzas

- 30-31 During a school sports day 2.8 litres of juice was used.  
Each drink that was made used 20 ml of juice.

How many drinks were made during the day?

A 14 drinks      B 120 drinks      C 140 drinks      D 28 drinks      E 84 drinks

To raise money for the new school hall each drink cost 15p. How much money was raised?

A £14.50      B £21.00      C £21.30      D £14.65      E £7.80

- 32 The Kelly family went on holiday to Turkey. They recorded the highest temperature each day.  
Find the mean highest temperature of the week.

Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
$23^{\circ}\text{C}$	$21^{\circ}\text{C}$	$25^{\circ}\text{C}$	$28^{\circ}\text{C}$	$31^{\circ}\text{C}$	$28^{\circ}\text{C}$	$26^{\circ}\text{C}$

A  $21^{\circ}\text{C}$       B  $26^{\circ}\text{C}$       C  $28^{\circ}\text{C}$       D  $31^{\circ}\text{C}$       E  $27^{\circ}\text{C}$

- 33 What is the height of a cuboid if the length is 5 cm, the width is 3 cm and the volume is  $150\text{ cm}^3$ ?

A 6 cm      B 7 cm      C 8 cm      D 9 cm      E 10 cm

- 34 What is the missing number in this calculation?

$$2848 \div \boxed{\phantom{000}} = 32$$

A 87                      B 78                      C 89                      D 98                      E 79

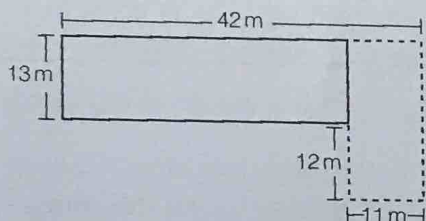
- 35 It is 10 months until Helen's next birthday. What fraction of the year does she have to wait until her next birthday?

A  $\frac{1}{2}$  a year              B  $\frac{3}{4}$  of a year              C  $\frac{2}{12}$  of a year              D  $\frac{4}{5}$  of a year              E  $\frac{5}{6}$  of a year

- 36 Which of these odd numbers isn't a prime number?

A 1                      B 13                      C 19                      D 31                      E 53

- 37–38 Carhill School is planning an extension to the tarmacked area of its playground. The plans below show the original area and the proposed area to be extended.



What will be the perimeter of the playground after the extension?

A 109 m              B 678 m              C 78 m              D 134 m              E 156 m

How much smaller is the area of the new section of playground compared to the original playground?

A 128 m<sup>2</sup>              B 16 m<sup>2</sup>              C 139 m<sup>2</sup>              D 116 m<sup>2</sup>              E 39 m<sup>2</sup>

- 39 During a chess competition Kate played 16 games of chess. She won 75% of the games. How many games did she win?

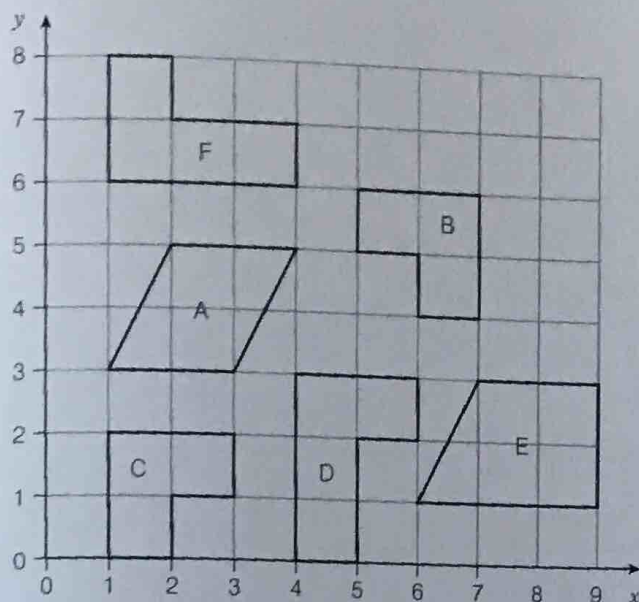
A 4                      B 12                      C 14                      D 8                      E 10

- 40 In a class of 28 children the ratio of brown-eyed children to blue-eyed children is 2 : 5. How many brown-eyed children are there?

A 2                      B 5                      C 7                      D 8                      E 20



41-42



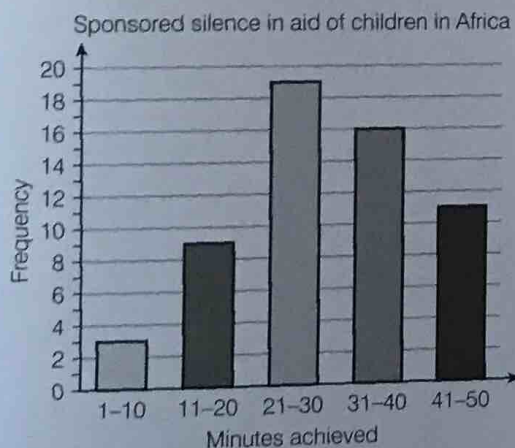
Which shape is congruent to shape F?

Which shape lies on the coordinates (6, 5.5)?

- 43 A wedding cake weighed 2.3 kg. The 110 guests were each given a slice weighing 15 g. How much cake was left?

A 0.5 kg      B 650 g      C 15 g      D 0.2 kg      E 65 g

- 44-46 Look carefully at this bar chart then answer the questions.



For what period of time were most children silent?

- A 1-10 minutes      B 11-20 minutes      C 21-30 minutes  
D 31-40 minutes      E 41-50 minutes

How many children were silent for 30 minutes or less?

- A 19      B 12      C 46      D 58      E 31

For every child who was silent for more than 30 minutes an extra £3.50 per child was given to the charity by a local business. How much was donated by the local business?

- A £56.00      B £135.00      C £55.00      D £94.50      E £38.50

Please turn over

- 47 A computer game was sold in a sale for £9.72. It had been reduced by 10% from its original price. What was the original price of the game?

A £10.50      B £10.00      C £10.80      D £11.00      E £10.90

- 48 In a recipe Ben was cooking he had to convert ounces to grams. His recipe needed 5 oz of sultanas. How many grams of sultanas did he need?

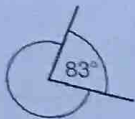
A 50 g      B 25 g      C 75 g      D 150 g      E 100 g

- 49 What is the median value of these times (in seconds) taken to run 100 metres?

11.2 s, 10.9 s, 12.3 s, 11.9 s, 10.8 s, 11.7 s, 12.2 s

A 10.9      B 11.2      C 11.7      D 11.9      E 12.2

- 50 Calculate the missing angle.



A  $97^\circ$       B  $197^\circ$       C  $177^\circ$       D  $277^\circ$       E  $187^\circ$