

# THE TRANSFER TEST

GL

Practice Test  
Maths Paper 4

**Time: 45 minutes**

**This test must not be copied.**

1

$x = 6 \quad y = 7 \quad z = 8$

$x + y = ?$

**A** 42    **B** 1    **C** 15    **D** 13    **E** 56

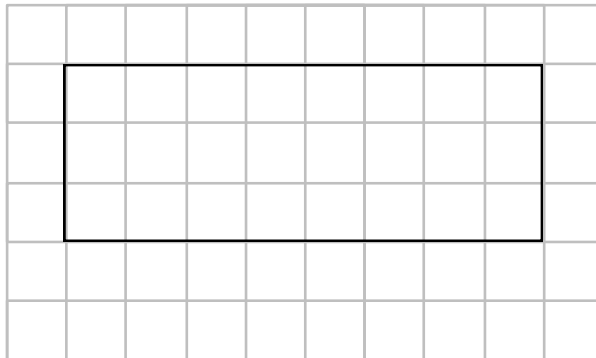
2

$z^2 = ?$

**A** 72    **B** 82    **C** 10    **D** 16    **E** 64

3

Look at the grid below. It is made up of small squares. The side of each small square is 1 cm long. A rectangle is drawn on the grid.



**What is the area of the rectangle?**

**A** 24 cm<sup>2</sup>    **B** 11 cm<sup>2</sup>    **C** 22 cm<sup>2</sup>    **D** 23 cm<sup>2</sup>    **E** 25 cm<sup>2</sup>

4

**What is the number eleven and three quarters as a decimal number?**

**A** 11.34    **B** 11.75    **C** 11 <sup>3</sup>/<sub>4</sub>    **D** 113.4    **E** 113.25

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**5**

A number is made up of 4 hundreds, 2 tens and 3 units. Tom divides this number by 10.

**What decimal number does Tom get?**

**A 423****B 405****C 42.3****D 40.5****E 45****6**

The normal price of a bicycle is £140. In a sale it is reduced by 25%.

**How much would you have to pay for it in the sale?**

**A £115****B £130****C £10****D £105****E £35****7**

$15 \times 99\text{p} = \text{£}15 - \text{_____ p}$

**What is the correct missing number of pence?**

**A 1p****B 15p****C 99p****D 14p****E 59p****8**

Kelly goes on a long journey. Her car uses 8.9 litres of petrol each hour.

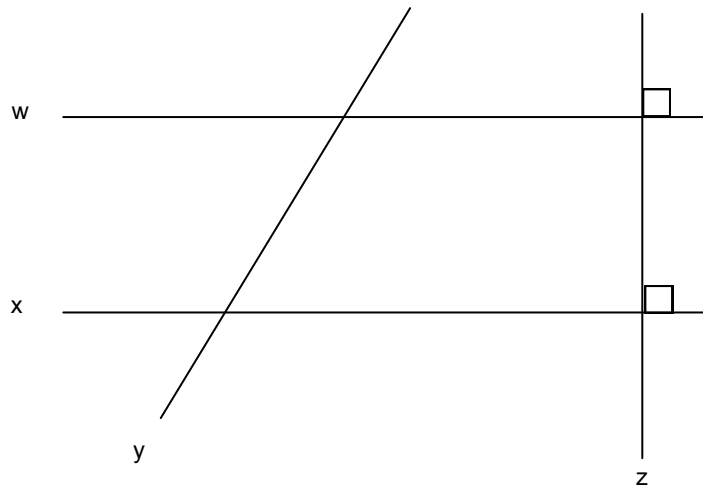
**If Kelly travels for 6 hours, how many litres of petrol does the car use?**

**A 54.4 litres****B 52.4 litres****C 9.5 litres****D 14.9 litres****E 53.4 litres**

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9

The figure below shows 4 lines w, x, y and z.



Which of the statements below is true?

- A Line x is parallel to line z
- B Line y is parallel to line z
- C Line z is perpendicular to line x
- D Line w is perpendicular to line y
- E Line w is parallel to line z

10

What is half of 7.2?

- A 3.6
- B 3.1
- C 3.5
- D 3.4
- E 14.4

11

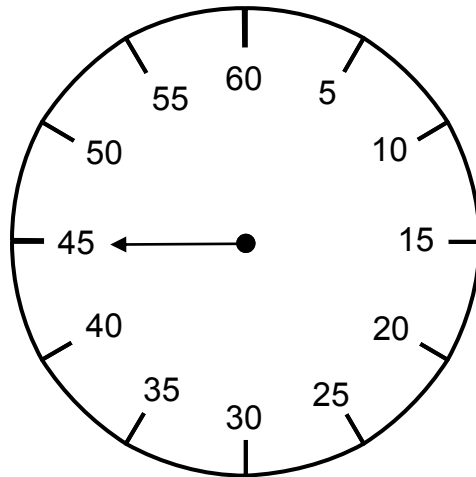
What is 7.35 kilograms in grams?

- A 0.735 g
- B 0.00735 g
- C 735 g
- D 7350 g
- E 73.5 g

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12

Look at the stopwatch below.



The hand on the stopwatch is pointing to 45.  
The hand now moves clockwise through  $210^\circ$ .

**What number will the hand be pointing to after turning clockwise through  $210^\circ$ ?**

- A 20      B 15      C 25      D 30      E 10**

13

I have saved 15 coins in my money box.

My money box contains at least 2 of each of the following coins:

5p      10p      20p      50p      £1      £2

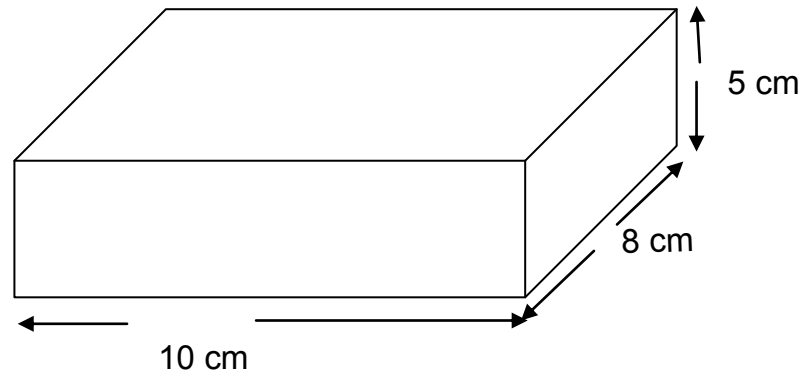
**What is the greatest amount of money I could have in my money box?**

- A £7.70      B £21.85      C £10.70      D £13.70      E £7.85**

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14

The cuboid below is 10 cm by 8 cm by 5 cm.



How many edges does the cuboid have?

- A 400      B 12      C 80      D 40      E 50

15

What is the area of the largest face of the cuboid?

- A  $400\text{cm}^2$       B  $12\text{cm}^2$       C  $80\text{cm}^2$       D  $40\text{cm}^2$       E  $50\text{cm}^2$

16

What is the volume of this cuboid?

- A  $400\text{cm}^3$       B  $12\text{cm}^3$       C  $80\text{cm}^3$       D  $40\text{cm}^3$       E  $50\text{cm}^3$

17

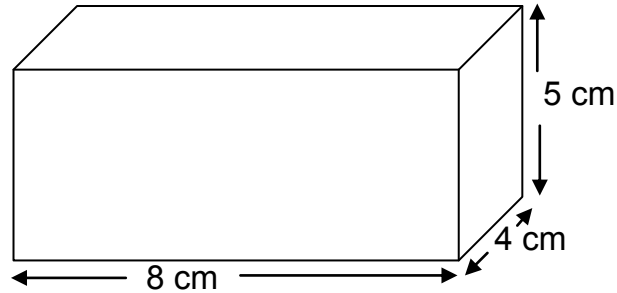
What is the cost of 25 cm of ribbon at £2.40 per metre?

- A £0.80      B £0.10      C £0.25      D £0.60      E £2.15

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18

Look at the cuboid below. Its dimensions are 8 cm by 5 cm by 4 cm.



What is the total length of all the edges of the cuboid?

- A 34cm      B 68cm      C 17cm      D 160cm      E 12cm

19

The cuboid has six faces. What is the area of the face with the smallest area?

- A  $20\text{cm}^2$       B  $32\text{cm}^2$       C  $40\text{cm}^2$       D  $18\text{cm}^2$       E  $24\text{cm}^2$

20

The table below shows the times taken by 4 pupils to recite the 7 times tables.

Pupils	Time (seconds)
Joe	14
Kevin	18
Lesley	17
Carol	15

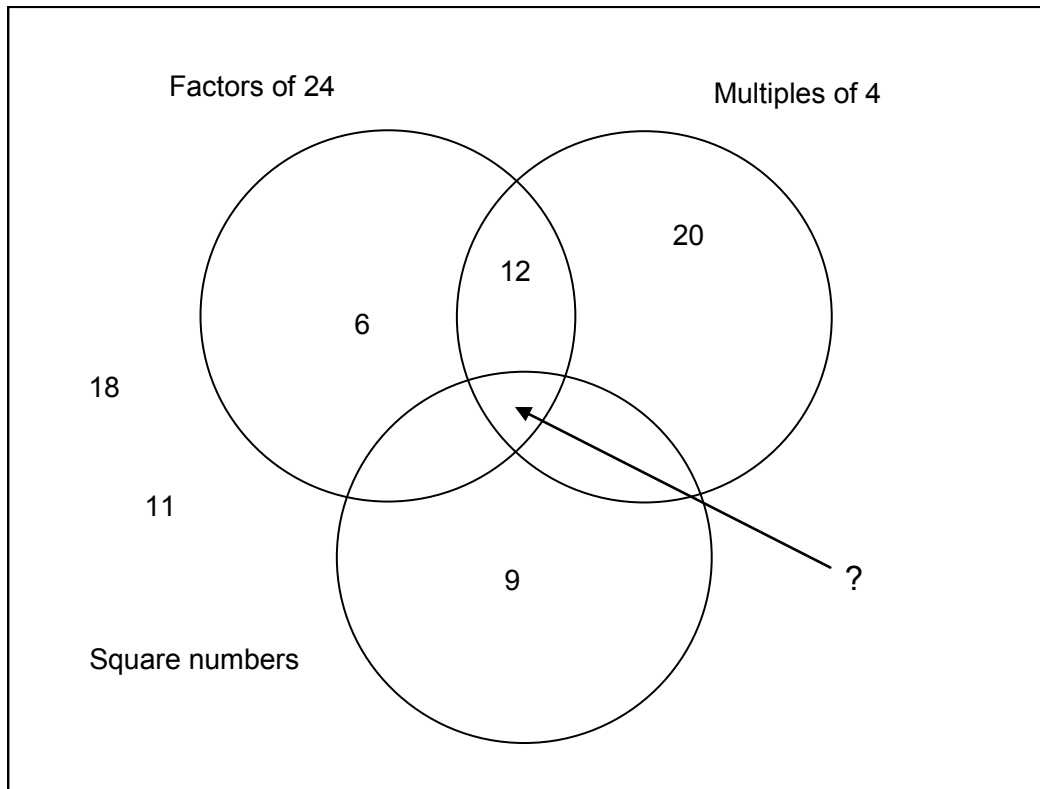
What is the mean (average) time taken by the 4 pupils?

- A 64      B 16      C 11      D 18      E 17

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21

Joan is drawing a Venn diagram. She is putting the whole numbers from 1 to 20 into three sets. Each set is shown as a circle. The factors of 24 are in one circle, the multiples of 4 are in another circle, and the square numbers are in a third circle. Some of the numbers from 1 to 20 are shown on the Venn diagram below.



**Which number should Joan put in the section of the Venn diagram indicated by the arrow?**

- A 2      B 1      C 8      D 4      E 24**

22

Normal body temperature is  $36.8^{\circ}\text{C}$ . Kim was unwell and had a high temperature of  $39.1^{\circ}\text{C}$ .

**How much was her temperature above normal?**

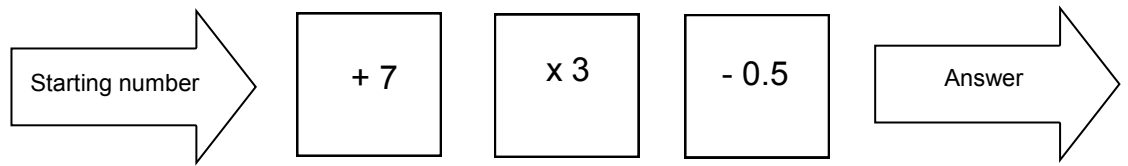
- A  $3.7^{\circ}\text{C}$       B  $2.3^{\circ}\text{C}$       C  $7.7^{\circ}\text{C}$       D  $1.3^{\circ}\text{C}$       E  $3.3^{\circ}\text{C}$**

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23

Look at the function machine below.



What answer does the function machine give when the starting number is 8?

- A** 4.5      **B** 45.5      **C** 5.5      **D** 17.5      **E** 44.5

24

I leave my house at 4:38 pm. There is a bus stop just outside my house. A sign at the bus stop tells me that buses arrive at the bus stop at the times below:

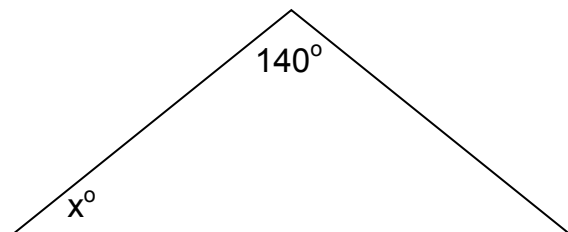
14:39      15:21      16:32      16:56      17:11

What is the shortest time in minutes I must wait for a bus?

- A** 1 minute      **B** 6 minutes      **C** 18 minutes      **D** 22 minutes      **E** 33 minutes

25

The triangle below is isosceles.



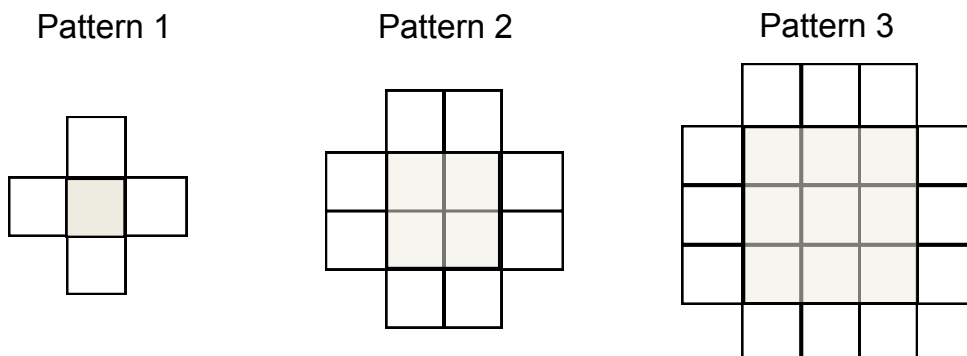
What is the value of the angle  $x^\circ$ ?

- A**  $40^\circ$       **B**  $20^\circ$       **C**  $110^\circ$       **D**  $30^\circ$       **E**  $10^\circ$

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26

Look at the sequence of three patterns below. Each pattern is made up of shaded and unshaded squares. For example, pattern 2 has 4 shaded squares and 8 unshaded squares.



Look at the table below for the number of unshaded squares in each pattern.

Pattern	1	2	3
Unshaded squares	4	8	12

**How many unshaded squares are there in pattern 5?**

- A 20      B 25      C 30      D 15      E 10**

27

Look at the table below for the number of shaded squares in each pattern.

Pattern	1	2	3
Shaded squares	1	4	9

**How many shaded squares are there in pattern 6?**

- A 24      B 36      C 18      D 30      E 12**

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28

Fred woke up at 07:15. He spent 25 minutes getting washed and dressed. He then spent a quarter of an hour having his breakfast. When he had finished his breakfast, he walked to school, which took him twenty minutes.

**How long did it take him to get to school?**

- A** 8:15am      **B** 70 minutes      **C** 8:20am      **D** 60 minutes      **E** 8:05am

29

The temperature in Dublin is 4°C. The temperature in Edinburgh is 6°C lower than in Dublin.

**What is the temperature in Edinburgh?**

- A** 10°C      **B** -2°C      **C** 2°C      **D** -4°C      **E** 0°C

30

The temperature in London is - 1°C. The temperature in Moscow is 5°C lower.

**What is the temperature in Moscow?**

- A** 4°C      **B** -5°C      **C** -4°C      **D** 6°C      **E** -6°C

31

**Which fraction below which is nearest in value to 50%?**

- A**  $\frac{1}{3}$       **B**  $\frac{10}{25}$       **C**  $\frac{1}{5}$       **D**  $\frac{2}{8}$       **E**  $\frac{1}{6}$

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32

Bags A, B C, D and E contain coloured sweets. The number of sweets in each bag is:

Bag A	Bag B	Bag C
2 orange sweets	3 orange sweets	5 orange sweets
5 red sweets	4 red sweets	2 red sweets
3 yellow sweets	2 yellow sweets	3 yellow sweets
Bag D	Bag E	
5 orange sweets	2 orange sweets	
1 red sweet	6 red sweets	
3 yellow sweets	0 yellow sweets	

Sean closes his eyes and takes a sweet from each bag.

**From which bag is he most likely to choose an orange sweet?**

- A** Bag A      **B** Bag B      **C** Bag C      **D** Bag D      **E** Bag E

33

A map has the following scale:

1 centimetre represents 7 kilometres.

The distance between 2 towns on the map is 7.4cm.

**What is the actual distance between the 2 towns in kilometres?**

- A** 14.8 km      **B** 51.8 km      **C** 49.8 km      **D** 57.2 km      **E** 49.2 km

34

Sausages cost £8.40 for a kilogram.

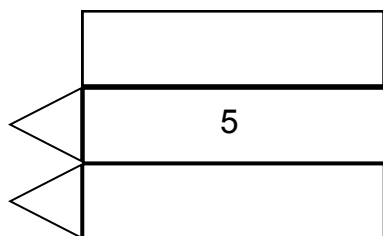
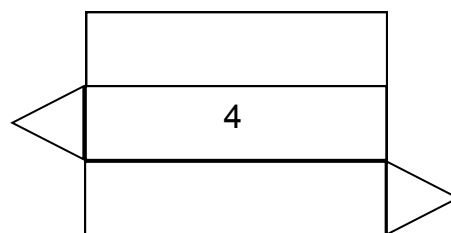
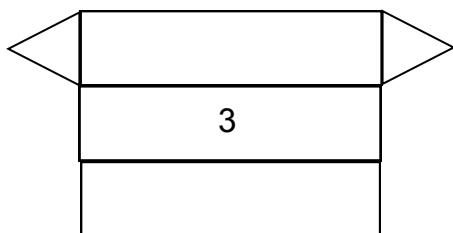
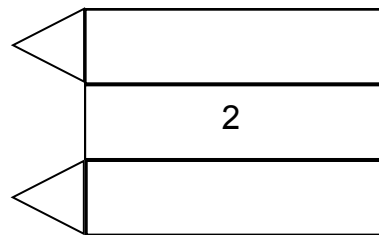
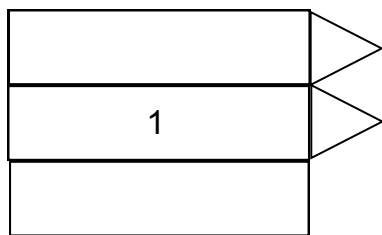
**How much does 250 grams of sausages cost?**

- A** £4.20      **B** £1.68      **C** £21      **D** £2.10      **E** £12.60

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35

Two of the five figures below could be the net of a triangular prism.



Which 2 figures that could be nets of triangular prisms?

- A** 2 and 4      **B** 4 and 5      **C** 1 and 3      **D** 3 and 4      **E** 2 and 3

36

Look at the quadrilateral below.



The angles of the quadrilateral are  $87^\circ$ ,  $133^\circ$ ,  $82^\circ$  and  $a$ .

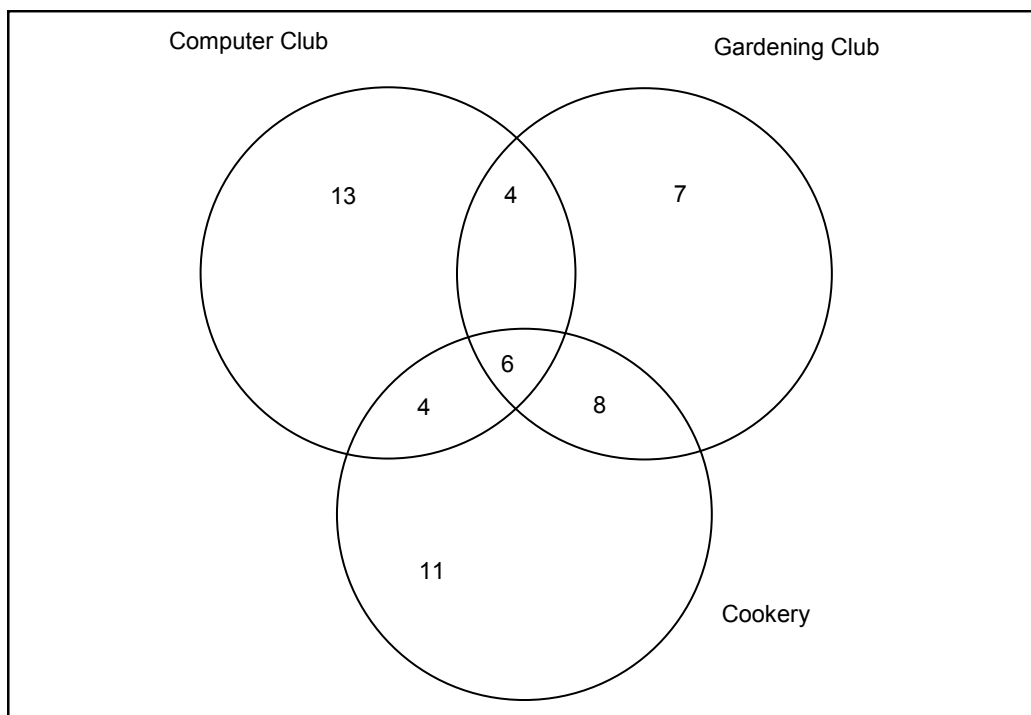
What is the size of angle  $a$ ?

- A**  $158^\circ$       **B**  $68^\circ$       **C**  $292^\circ$       **D**  $302^\circ$       **E**  $58^\circ$

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37

A school provides after school activities, including Computer Club, Gardening Club and Cookery. The Venn diagram below shows the number of pupils who attend these after school activities.



**How many pupils attend Gardening Club and Cookery but not Computer Club?**

- A** 8      **B** 26      **C** 34      **D** 4      **E** 24

38

Look at the statements below.

**Which of the five statements below are false?**

- A**  $\frac{1}{5}$  of a complete turn is an acute angle  
**B**  $\frac{2}{5}$  of a complete turn is an obtuse angle  
**C**  $\frac{3}{5}$  of a complete turn is more than 3 right angles  
**D** a quarter turn is  $90^\circ$   
**E** a full turn is  $360^\circ$

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39

Look at the five rules below.

Rule A Multiply the previous number by 5, then subtract 2

Rule B Multiply the previous number by 4

Rule C Add 2 to the previous number, then multiply by 2

Rule D Add  $\frac{1}{2}$  to the previous number, then multiply by 2

Rule E Add 3 to the previous number

**The sequence 4, 7, 10, 13 uses**

**A** Rule A

**B** Rule B

**C** Rule C

**D** Rule D

**E** Rule E

40

**The sequence 4, 12, 28, 60 uses**

**A** Rule A

**B** Rule B

**C** Rule C

**D** Rule D

**E** Rule E

41

**The sequence 3, 13, 63, 313 uses**

**A** Rule A

**B** Rule B

**C** Rule C

**D** Rule D

**E** Rule E

42

**The sequence 2, 5, 11, 23 uses**

**A** Rule A

**B** Rule B

**C** Rule C

**D** Rule D

**E** Rule E

43

**The sequence 3, 12, 48, 192 uses**

**A** Rule A

**B** Rule B

**C** Rule C

**D** Rule D

**E** Rule E

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**44**

A caramel square weighs 27 grams.  
Only  $33\frac{1}{3}\%$  of its weight is caramel.

**How many grams of caramel are in 40 caramel squares?**

**A** 9 g**B** 360 g**C** 81 g**D** 90 g**E** 270 g**45**

Look at the calculation below.

$$6.4 \times 102 \div 100 = \underline{\quad?}$$

**What is the missing number that completes the calculation?**

**A** 0.6528**B** 6.528**C** 65.28**D** 0.06528**E** 652.8

**END OF TEST**





**GL MATHS PAPER 4****ANSWER SHEET**

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**1 D****2 E****3 A****4 B****5 C****6 D****7 B****8 E****9 C****10 A****11 D****12 A****13 D****14 B****15 C****16 A****17 D****18 B****19 A****20 B****21 D****22 B****23 E****24 C****25 B****26 A****27 B****28 D****29 B****30 E****31 B****32 D****33 B****34 D****35 D****36 E****37 A****38 C****39 E****40 C****41 A****42 D****43 B****44 B****45 B**