

THE TRANSFER TEST

GL

Practice Test
Maths Paper 5

Time: 45 minutes

This test must not be copied.

1

Use the information in the first statement below to complete the second statement.

$$\frac{1}{4} \text{ of } a = 6$$

50% of a = ?

- A 3 B 0.75 C 1.5 D 12 E 24**

2

Look at the number written in words below:

three hundred and twelve and a quarter

What is this number as a decimal number?

- A 312.4 B 31.24 C 30012.25 D $312 \frac{1}{4}$ E 312.25**

3

Sam's car has run out of petrol. The petrol tank on Sam's car holds 30 litres of petrol. Petrol costs £1.75 a litre.

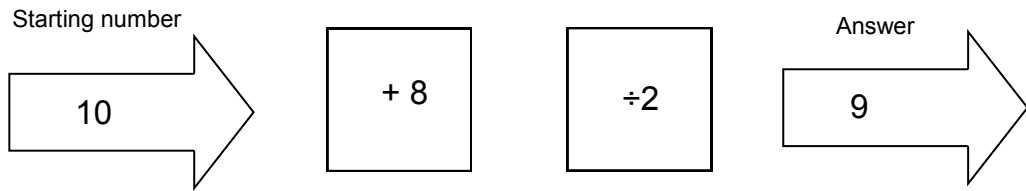
How much does it cost Sam to fill the tank with petrol?

- A £52.53 B £52.50 C £51.50 D £5.25 E £32.50**

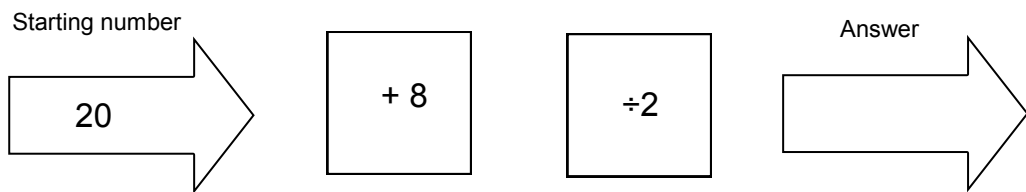
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4

Look at the function machine below.



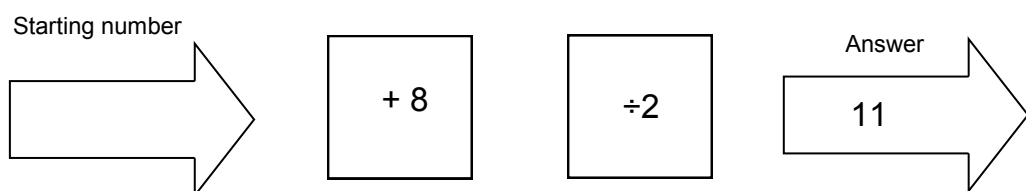
Now look at the two incomplete function machines below.



What is the correct missing answer that goes in the blank arrow?

- A 6 B 14 C 56 D 24 E 16

5



What is the correct missing starting number that goes in the blank arrow?

- A 30 B 13.5 C 14 D 1 E 6.3

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6

Below are 5 fractions:

$\frac{3}{4}$ $\frac{1}{3}$ $\frac{1}{2}$ $\frac{1}{4}$ $\frac{2}{3}$

Which is the smallest fraction?

A $\frac{3}{4}$ **B** $\frac{1}{3}$ **C** $\frac{1}{2}$ **D** $\frac{1}{4}$ **E** $\frac{2}{3}$

7

A map has the following scale:

1 centimetre represents 4 kilometres.

Two schools are 3.2 centimetres apart on the map.

What is the actual distance between the schools?

A 7.2km **B** 12.8km **C** 0.8km **D** 128km **E** 72km

8

Two towns are 31.2 kilometres apart.

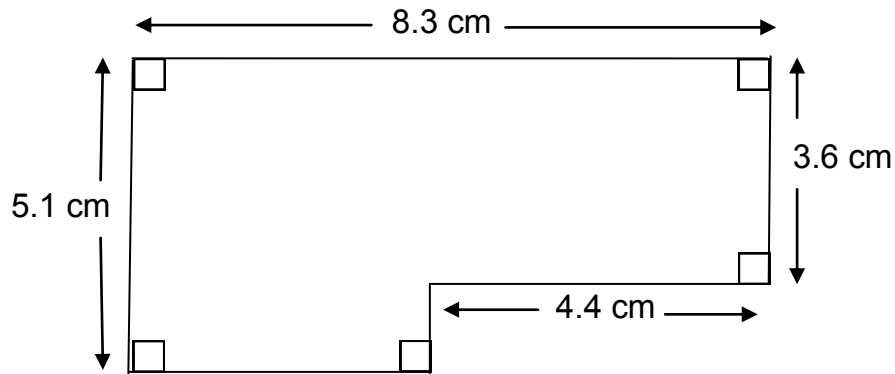
How far apart are the towns on the map?

A 124.8cm **B** 7.05cm **C** 31.6cm **D** 35.2cm **E** 7.8cm

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9

Look at the shape below.

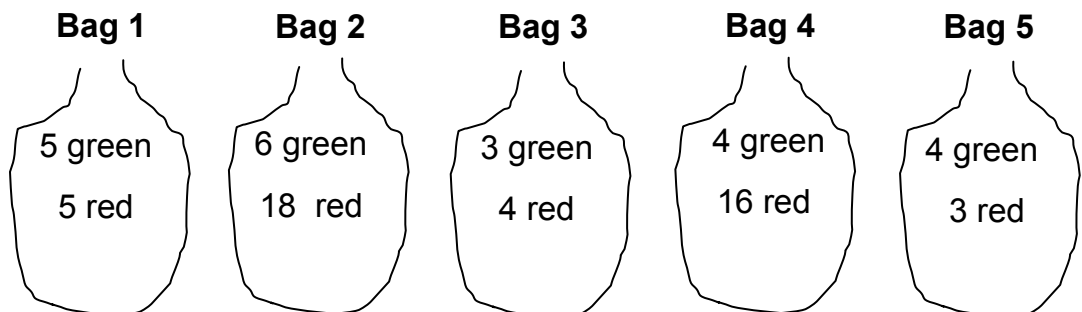


What is the perimeter of the shape?

- A** 21.4cm **B** 25.3cm **C** 22.9cm **D** 26.8cm **E** 24.8cm

10

Four bags contain green apples and red apples. The bags are labelled 1, 2, 3, 4 and 5. The contents of each of the 5 bags are shown below.



Simon is asked to take 1 apple from each bag without looking in to the bag.

From which bag is he most likely to take a green apple?

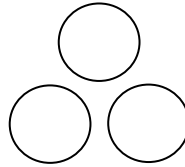
- A** Bag 1 **B** Bag 2 **C** Bag 3 **D** Bag 4 **E** Bag 5

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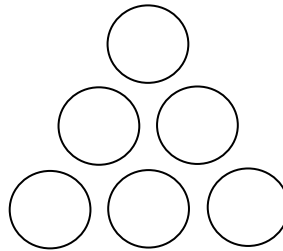
11

Megan is making patterns using counters.

Look at the pattern below. This is the first pattern in a series of patterns that Megan makes. You can see that she uses 3 counters to make the first pattern.



Look at the pattern below. This is the second pattern in the series. You can see that Megan uses 6 counters to make the second pattern.



How many counters does she use to create the third pattern?

- A 16 B 15 C 10 D 12 E 17**

12

How many counters does she use to create the fourth pattern?

- A 20 B 15 C 21 D 28 E 16**

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13

The normal price of a pair of shoes is £36. In a sale, Caombhe pays 75% of the normal price.

How much does she pay for the pair of shoes in the sale?

- A** £27 **B** £9 **C** £39 **D** £21 **E** £48

14

Look at the numbers below.

2567.4

1845.1

3824.3

4726.2

3426.5

In which of the numbers does the number 4 stand for 4 tenths?

- A** 2567.4 **B** 1845.1 **C** 3824.3 **D** 4726.2 **D** 3426.5

15

In Copenhagen the temperature is -7°C . The temperature in Madrid is 13°C higher.

What is the temperature in Madrid?

- A** 20°C **B** 6°C **C** -6°C **D** -20°C **E** 7°C

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16

Look at the menu below.

MENU	
Burger	£3.25
Fries	£1.80

What is the cost of 3 burgers and 2 portions of fries?

A £5.05

B £13.35

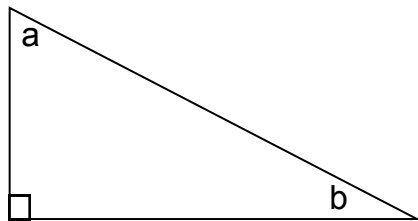
C £11.90

D £13.25

E £12.35

17

Look at the right-angled triangle below.



Angle b is 10° bigger than angle a.

What is the size of angle a?

A 40°

B 45°

C 80°

D 50°

E 55°

18

What is 80 hours in days and hours?

A 3 days and 4 hours

B 4 days and 16 hours

C 3 days and 8 hours

D 4 days and 6 hours

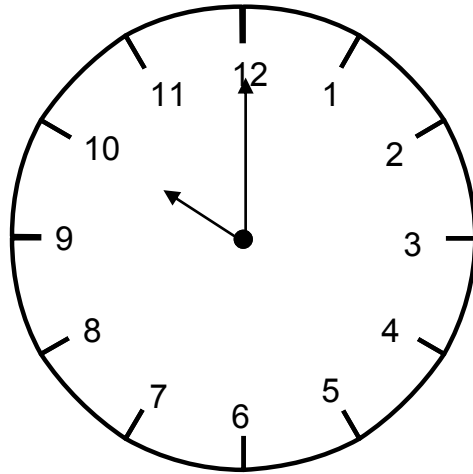
E 3 days and 6 hours

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19

Look at the clock below.

The hands of the clock show that the time is 10 o'clock.



What is the value of the reflex angle between the hands of the clock?

- A** 60° **B** 300° **C** 45° **D** 315° **E** 320°

20

Look at the rule below:

Add $\frac{1}{2}$ then multiply by four.

Sarah uses this rule to write a sequence of four numbers.

The first number Sarah writes is 2.

The third number she writes is 42.

What are the second and fourth numbers in the sequence?

- A** 8 and 160 **B** 10 and 160 **C** 10 and 170 **D** 8 and 170 **E** 10 and 168

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21

Roger played a computer game. The computer game recorded his score each time he played it.

The range of his scores was 9

His lowest score was 10

He played the game 6 times.

His mean (average) score was 14

What was Roger's total score for the 6 games he played?

A 54 B 60 C 36 D 64 E 84

22

What was Roger's highest score?

A 19 B 16 C 24 D 20 E 15

23

$1839 + 3162 = ?$

A 4001 B 4991 C 4901 D 5001 E 1323

24

$2787 + ? = 5618$

A 8405 B 2831 C 2971 D 3231 E 3171

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25**20 is what percentage of 80?**

- A** 20% **B** 40% **C** 25% **D** $33\frac{1}{3}\%$ **E** 14%

26**Look at the list of five numbers below:**

9 6 7 8 14

Which is a prime number?

- A** 9 **B** 6 **C** 7 **D** 8 **E** 14

27**Which is a square number?**

- A** 9 **B** 6 **C** 7 **D** 8 **E** 14

28**Which is a factor of 32?**

- A** 9 **B** 6 **C** 7 **D** 8 **E** 14

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29

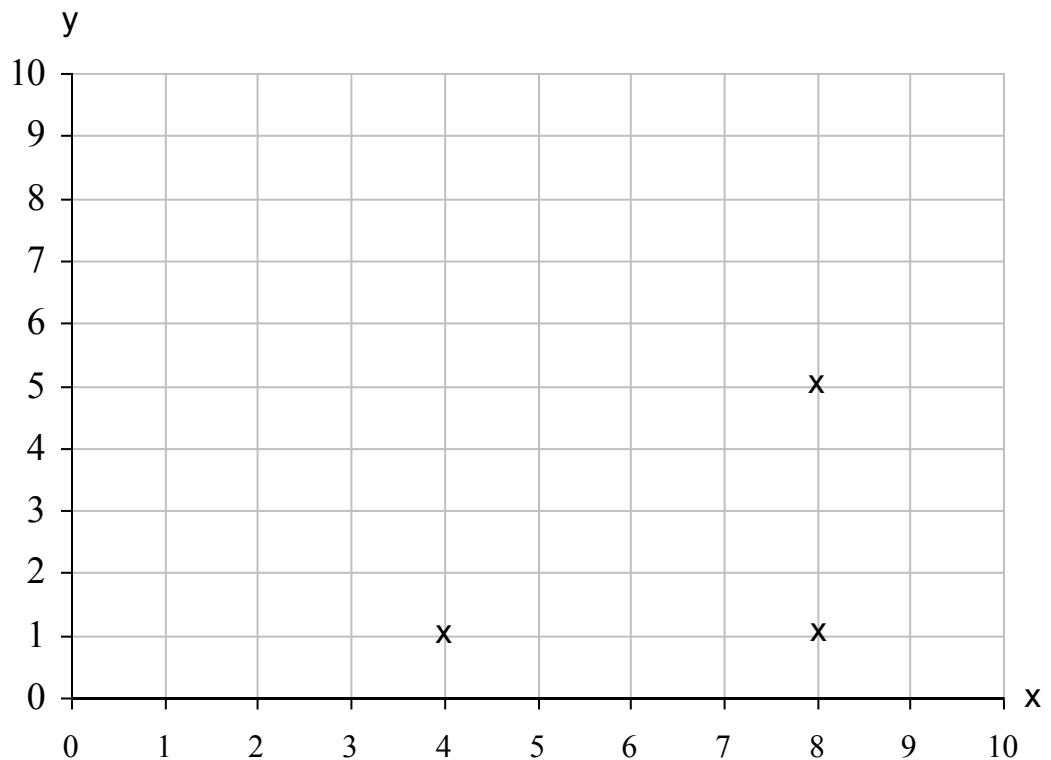
A chocolate bar weighs 93 grams.

What is the weight of 17 chocolate bars?

- A** 1.581kg **B** 1.10kg **C** 744g **D** 1.561kg **E** 0.11kg

30

Three of the vertices of a rectangle are shown by dots in the grid below.



What are the co-ordinates of the fourth point of the rectangle?

- A** (4 ,5) **B** (5 , 5) **C** (5 , 4) **D** (4 , 4) **E** (3 , 5)

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31

Look at the three calculations below.

$24 \times 13 = 312$

$44 \times 12 = 528$

$258 \div 6 = 43$

Use these to help you complete the calculations below.

$24 \times 26 = ?$

A 192**B 604****C 614****D 1024****E 624****32**

$258 \div 3 = ?$

A 21.5**B 86****C 19.3****D 150****E 71.6****33**

$88 \times 12 = ?$

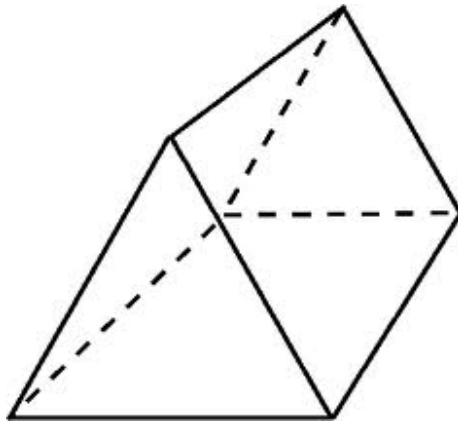
A 264**B 100****C 1056****D 1050****E 254****34**

$12 \times 13 = ?$

A 25**B 48****C 624****D 156****E 47****Please go to the next page >>>**

35

Look at the triangular prism below.



Complete the table below to show the number of faces, edges and vertices in the triangular prism.

How many faces does the triangular prism have?

A 5 B 6 C 4 D 9 E 8

36

How many edges does the triangular prism have?

A 10 B 6 C 8 D 9 E 7

37

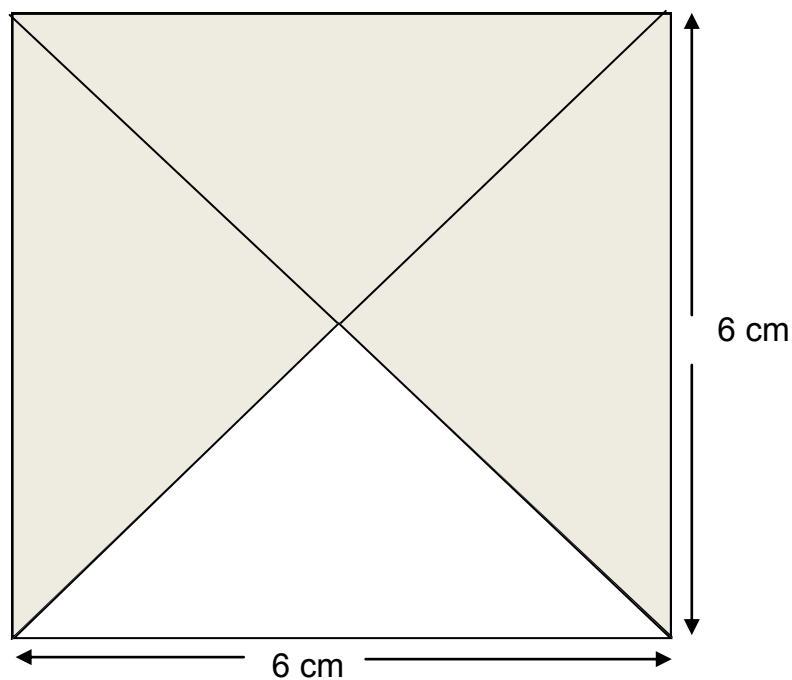
How many vertices does the triangular prism have?

A 5 B 6 C 3 D 9 E 7

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38

A square tile is shown below.



What is the area of the unshaded part of the square tile?

- A** 18cm^2 **B** 27cm^2 **C** 9cm^2 **D** 36cm^2 **E** 12cm^2

39

What is 274 minutes in hours and minutes?

- A** 3 hours and 14 minutes
B 4 hours and 34 minutes
C 2 hours and 74 minutes
D 3 hours and 94 minutes
E 3 hours and 44 minutes

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40

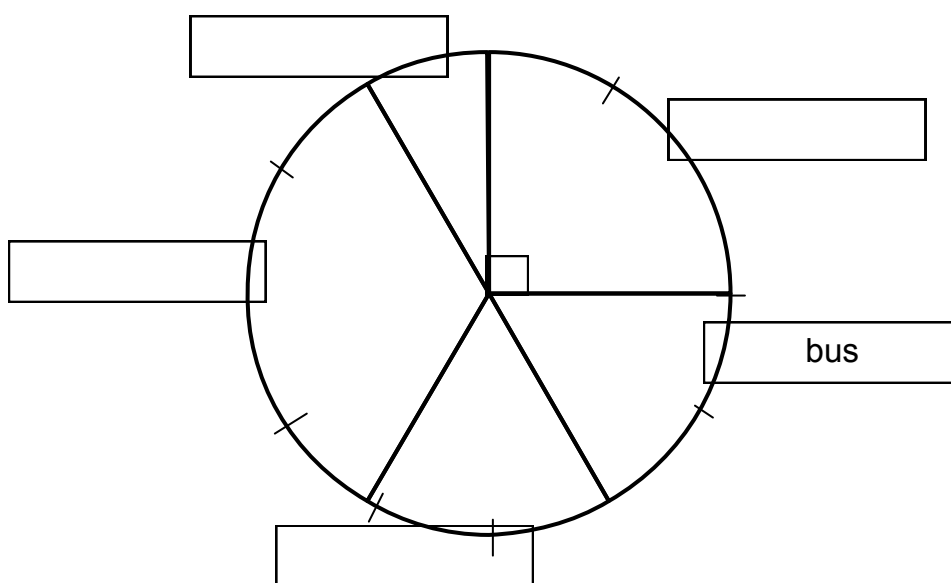
A teacher is carrying out a survey about how the pupils in Primary 6 travel to school. She asks 60 pupils about how they travel to school.

Their means of transport are shown in the table below.

	car	bus	walk	bicycle	train
Means of transport	15	10	20	10	5

The teacher then uses the table to draw the pie chart below.

What is the order of the labels, going clockwise from bus?



- A** bus, bicycle, walk, train, car
- B** bus, walk, bicycle, train, car
- C** bus, bicycle, train, walk, car
- D** bus, bicycle, walk, car, train
- E** bus, bicycle, car, train, walk

41

A chocolate eclair weighs 90 grams. 50% of its weight is pastry.

How many grams of pastry are in 30 chocolate eclairs?

- A** 1.250kg
- B** 13.5kg
- C** 1.5kg
- D** 15kg
- E** 1.350kg

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42

Look at the three statements below:

$$6^2 - 8 = a$$

$$b \times 4 = 108$$

$$c + 5^2 = 51$$

$$d \div 5 = 6$$

$$e + 5 = 34$$

Which letter has the smallest value?

A a **B** b **C** c **D** d **E** e

43

Look at the five fractions below

$$\frac{5}{8} \qquad \frac{31}{48} \qquad \frac{4}{6} \qquad \frac{17}{24} \qquad \frac{3}{4}$$

Gerard writes these fractions in order from smallest to largest.

Which fraction will be the middle fraction when Gerard writes them in order?

A $\frac{5}{8}$ **B** $\frac{31}{48}$ **C** $\frac{4}{6}$ **D** $\frac{17}{24}$ **E** $\frac{3}{4}$

44

In 2012 the 15th November fell on a Thursday.

What day did the 15th December 2012 fall on?

A Thursday **B** Friday **C** Saturday **D** Sunday **E** Monday

45

A cheese toastie weighs 90 grams. Only 30% of its weight is cheese.

How many cheese of pastry are in 40 cheese toastie?

A 27g **B** 1080g **C** 880g **D** 7240g **E** 4240g

END OF TEST

GL MATHS PAPER 5**ANSWER SHEET**

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