

THE THE TRANSFER TEST

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Maths Multiple Choice

Practice Test
Paper 2

Time: 45 minutes

1

Look at the calculation below.

$$260 - a = 125$$

What is the value of a ?

A 140

B 380

C 145

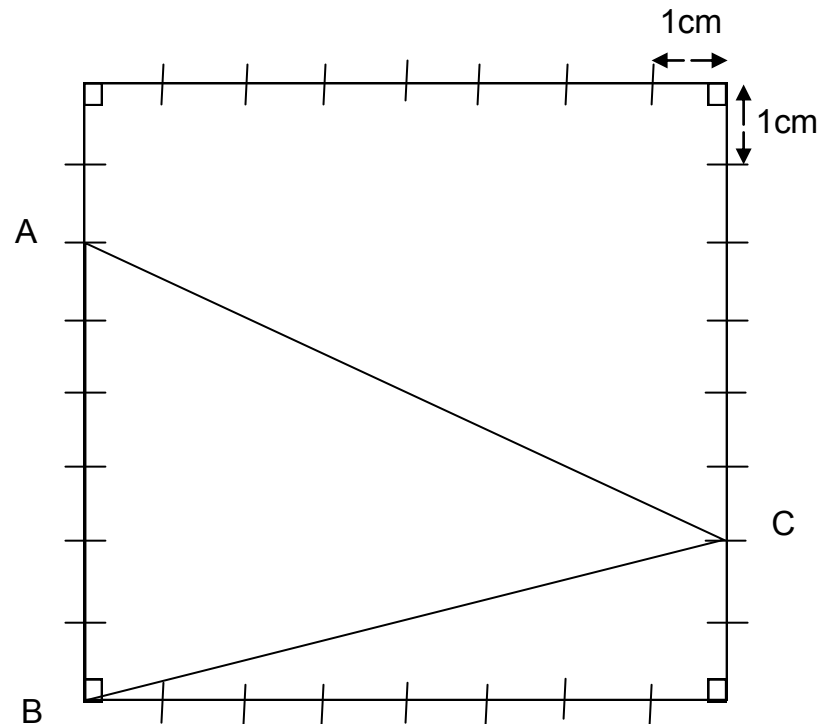
D 385

E 135

2

Look at the square below. Each of its sides is 8cm long.

A triangle ABC is drawn in the square.



What is the area of the triangle ABC?

A 48cm^2

B 24cm^2

C 14cm^2

D 64cm^2

E 32cm^2

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3

Look at the calculation below.

$$96 \div b = 8$$

What is the value of b ?

A 768

B 88

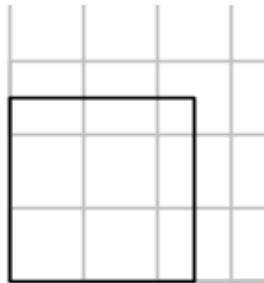
C 8

D 12

E 104

4

Look at the square below. Each of its sides is $2\frac{1}{2}$ cm long.



Which is an accurate value for the area of the square?

A 5.25

B 25

C 6.25

D 9

E 6.5

5

6 is $\frac{1}{5}$ of ?

What missing number goes in the box to complete the statement above?

A 36

B 5.8

C 1.2

D 12

E 30

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6

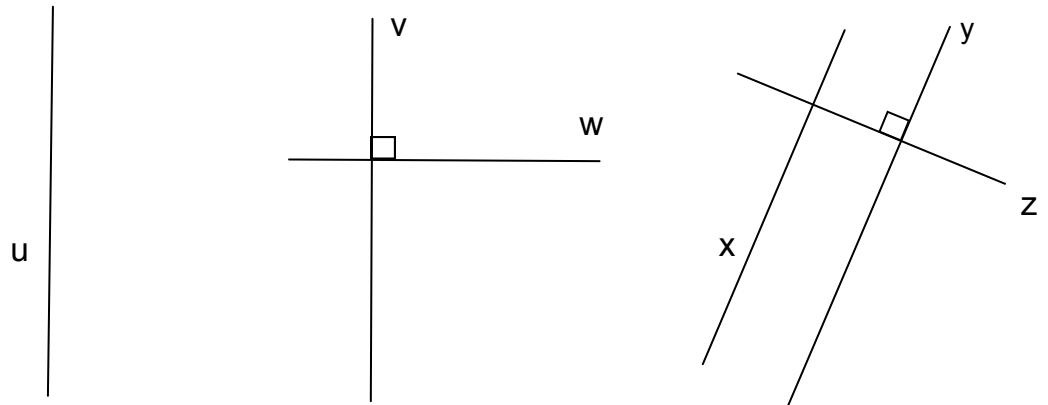
 $\frac{1}{8}$ of 56 is ?

What missing number goes in the box to complete the statement above?

- A** 7 **B** 448 **C** 48 **D** 64 **E** $56\frac{1}{8}$

7

Look at the lines marked u, v, w, x, y and z drawn in the figure below. Line u is parallel to line v, and line x is parallel to line y.



Which one of the statements below is true?

- A** Line w is parallel to line z
B Line y is perpendicular to line z
C Line z is perpendicular to line v
D Line w is parallel to line u
E Line v is parallel to line w

8

A cream bun weighs 32 grams. Only 25% of its weight is cream.

How many grams of cream are in 10 cream buns?

- A** 8 g **B** 80 g **C** 7 g **D** 70 g **E** 57 g

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9

The 10 numbers below show the number of bedrooms in the homes of 10 primary school pupils.

4 2 3 2 4 3 4 3 3 2

What is the mean (average) number of bedrooms?

A 4 B 2 C 3 D 3.1 E 2.9

10

Look again at the ten numbers. What is the range?

A 30 B 2 C 4 D 6 E 3

11

Complete the following calculations.

$3.23 \times 10 = ?$

A 0.323 B 3.23 C 32.3 D 30.23 E 3.230

12

$85.1 \div 10 = ?$

A 851 B 85.1 C 80.51 D 8.051 E 8.51

13

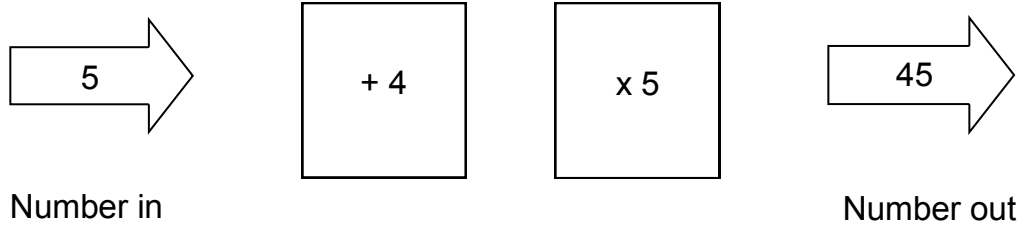
$84 \times 100 = ?$

A 8400 B 840 C 0.84 D 8.4 E 84.00

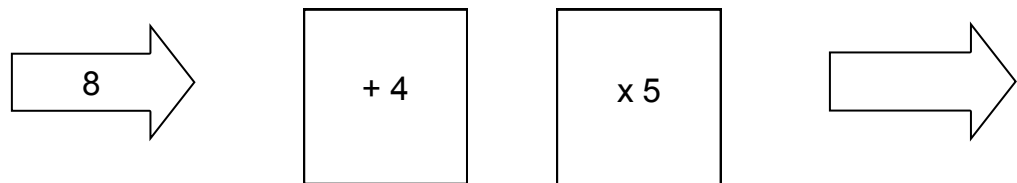
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14

Look at the function machine below.



Now look at the second function machine below.



In the second function machine what is the correct number that goes in the blank arrow?

- A** 17 **B** 37 **C** 60 **D** 160 **E** 20

15

Look at the statement below. There is a missing number.

50 is _____ % of 200

What number makes the statement true?

- A** 50% **B** 25% **C** 400% **D** 4% **E** 5%

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16

Look at the two calculations below.

Complete each calculation by finding the missing number.

$$1375 - 647 = \underline{\quad? \quad}$$

A 2012

B 1328

C 732

D 2022

E 728

17

$$1482 + \underline{\quad? \quad} = 1824$$

A 3306

B 462

C 1342

D 342

E 3206

18

Four athletes competed in the long jump. The distance each athlete jumped is recorded in the table below.

Athlete	Distance jumped
Jay	124.7 cm
Eden	1.258 m
Ellie	126 cm
Mark	1259 mm
Sarah	1249 mm

Which athlete's jump was the longest?

A Jay

B Eden

C Ellie

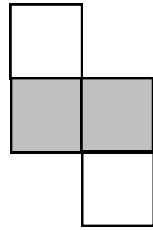
D Mark

E Sarah

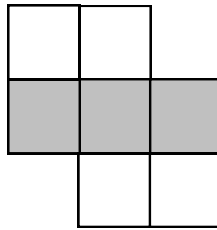
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19

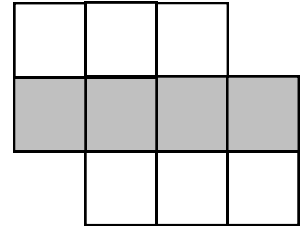
The series of patterns below is made using a mixture of white and shaded square tiles. Pattern 1 contains 4 tiles. It has two white and two shaded tiles.



Pattern 1



Pattern 2



Pattern 3

If this series of patterns is continued, what is the total number of tiles in Pattern 4?

- A 13 B 10 C 16 D 12 E 14**

20

Another pattern in the same series has 6 shaded tiles.

What is the total number of tiles in this pattern?

- A 18 B 10 C 17 D 19 E 16**

21

Look at Pattern 1.

What percentage of the pattern is shaded?

- A 2% B 25% C 50% D 4% E 20%**

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22

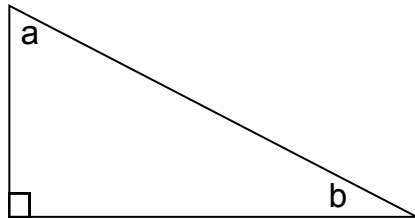
Look at the four statements below.

Which statement is false?

- A** The three angles of a triangle add up to 180°
- B** All the angles of a scalene triangle are the same
- C** All four sides of a square have the same length
- D** All four sides of a rhombus are equal in length
- E** All angles of a parallelogram add to 360°

23

Look at the right-angled triangle below.



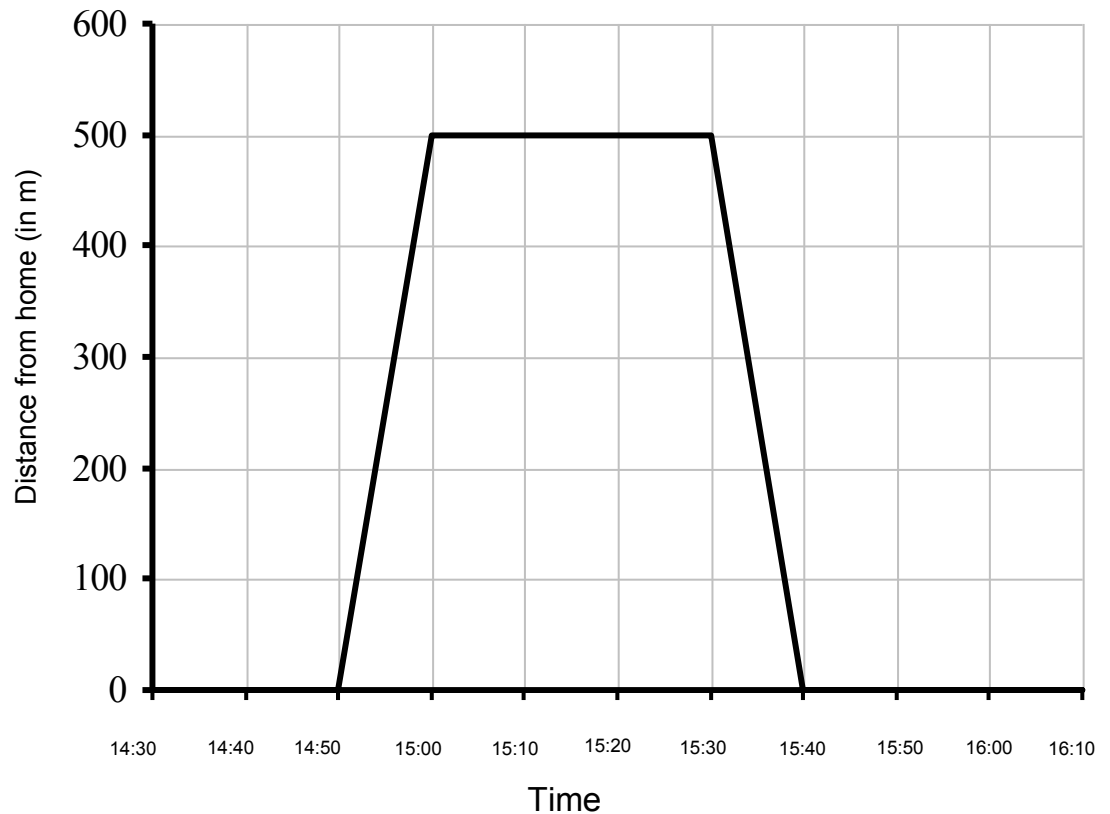
Which statement below is true?

- A** angle a and angle b add to make 90°
- B** angle a and angle b are both obtuse angles
- C** angle a and angle b add to make 180°
- D** all of the interior angles add to 360°
- E** angle a and angle b are both reflex angles

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24

Mrs Johnston walks from home to school to collect her daughter. She spends some time at the school gates and then walks home with her daughter. Mrs Johnston's journey is shown on the graph below.



How far is it from her home to the school?

- A** 1300m **B** 100m **C** 50m **D** 1000m **E** 500m

25

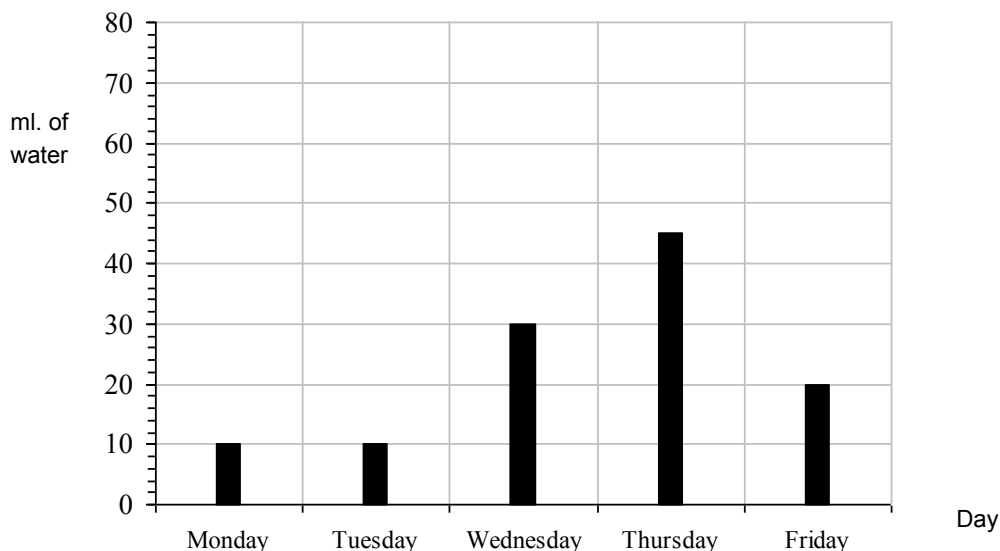
How many minutes did Mrs Johnston spend at the school gates?

- A** 50 minutes
B 25 minutes
C 30 minutes
D 10 minutes
E 0 minutes

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26

Sophie's pet kitten is ill. The vet tells Sophie to give the kitten water each day. Sophie must keep a record of the amount of water the kitten drinks each day. Sophie draws the graph below. The graph shows how many millilitres of water the kitten drinks over 5 days.



The kitten had more water to drink on Thursday than on Tuesday.
How much more?

- A 45ml B 35ml C 40ml D 55ml E 30ml

27

On what day did the kitten drink the greatest amount of water?

- A Monday
B Tuesday
C Wednesday
D Thursday
E Friday

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28

Look at this rule: Double the previous number and add three.
Using this rule a sequence of 4 numbers must be completed.
The first 2 numbers in the sequence are done for you below.

12 27 _____ _____

What are the last 2 numbers?

A 16 and 11 **B** 51 and 99 **C** 57 and 117 **D** 54 and 108 **E** 54 and 111

29

The temperature in the fridge section of a fridge-freezer is 4°C .
The temperature in the freezer section is 21°C lower.

What is the temperature in the freezer section?

A -17°C **B** -25°C **C** 17°C **D** -16°C **E** 25°C

30

A square number can be added to a prime number to make 39.
There are two ways of doing this. One of the ways is $16 + 23 = 39$

What other square number can be added to a prime number to give 39?

A 4 **B** 25 **C** 36 **D** 6 **E** 9

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31

What time is 4 hours and 23 minutes earlier than midnight?

- A 7:23pm B 7:47pm C 8:37pm D 8:23pm E 7:37pm

32

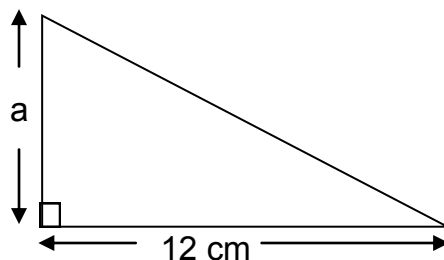
At a bank in the airport, £1 can be exchanged for 1.1 euro.
Look at the five statements below.

Which of these statements is more accurate than the others?

- A 1 euro can be exchanged for about 90p
B 1 euro can be exchanged for about 80p
C 1 euro can be exchanged for about 70p
D 1 euro can be exchanged for about 60p
E 1 euro can be exchanged for about 50p

33

The area of the triangle below is 30cm^2



What is the value of a?

- A 18 cm B 4 cm C 3 cm D 5 cm E 6 cm

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34

Look at the numbers below.

4321.6

4123.7

5231.6

1725.3

3421.6

Which number 3 stands for 3 units?

A 4321.6**B** 4123.7**C** 5231.6**D** 1725.3**E** 3421.6**35**

Megan thinks of a number.

She multiplies it by seven and then adds four. Her answer is 88.

What number did Megan think of?

A 91**B** 588**C** 13**D** 644**E** 12

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36

Look at the train timetable below.

	Train A	Train B	Train C	Train D	Train E
Belfast	07:13	08:13	09:13	10:13	11:13
Lisburn	07:52			10:54	
Newry	08:14	09:04	09:54		
Drogheda	08:47		10:29	11:41	
Dublin	09:17	10:13	11:03	12:15	12:18

How long does Train A take to travel from Belfast to Dublin?

- A** 64 minutes
- B** 204 minutes
- C** 124 minutes
- D** 94 minutes
- E** 184 minutes

37

Which of the 5 trains takes the longest time to travel from Belfast to Dublin?

- A** Train A
- B** Train B
- C** Train C
- D** Train D
- E** Train E

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38

John and Gemma agreed to share the cost of a DVD.

The DVD cost £17.00. John paid 25% of the cost.

How much did Gemma pay?

A £8.00

B £15.25

C £12.75

D £1.75

E £4.25

39

Which of the decimal numbers below is bigger than $5\frac{2}{5}$ and smaller than $5\frac{1}{2}$?

A 5.12

B 5.22

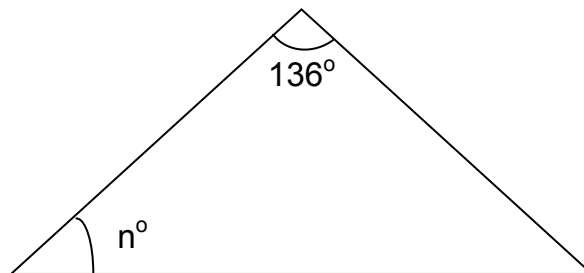
C 5.32

D 5.33

E 5.43

40

The triangle below is isosceles.



What is the value of the angle n ?

A 44°

B 22°

C 56°

D 28°

E 60°

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41

The statements below are about three dimensional solid objects.

Which of the statements below is false?

- A** A triangular prism has six vertices
- D** A cylinder has 2 flat faces and 1 curved face
- C** A cuboid has 8 faces
- D** A cube has 12 edges
- E** A cone has one curved face and 1 flat face

42

Lisa played a computer game.

The computer game recorded her score each time she played it.

She played the game 7 times.

Her mean (average) score was 16

The range of her scores was 9

Her highest score was 19

What was Lisa's lowest score?

- A** 10 **B** 7 **C** 12 **D** 9 **E** 2

43

What was Lisa's total score for the 7 games she played?

- A** 63 **B** 133 **C** 112 **D** 81 **E** 52

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44

I am facing South.

Through how many degrees must I turn anti-clockwise to face North West?

A 270° **B** 315° **C** 45° **D** 135° **E** 225° **45**

I am facing East.

Through how many degrees must I turn anti-clockwise to face North West?

A 270° **B** 315° **C** 45° **D** 135° **E** 225° **END OF TEST**

MATHS PAPER 2**ANSWER SHEET**

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