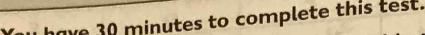
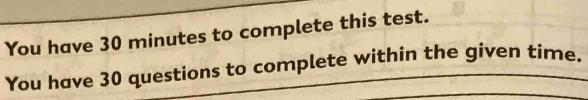
Test 6







Circle the letter above the correct answer.

1) What is 45.6508 rounded to 3 decimal places?

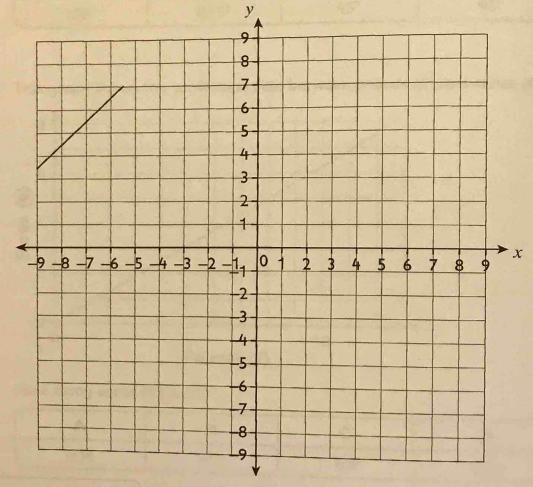
Villacia io	R	C	D	E
A 68	15.450	45.659	45-651	45.0
45.650	45-658			43.652

2 Fawad buys 3 chocolate bars for y pence each. He pays with a £10 note.

Which expression shows how much change he receives?

A	В	С	D	
	-3v	100 – 3 <i>y</i>	1000 – 3 <i>y</i>	10

3 The endpoints of five lines are shown in table below.



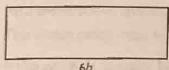
Which line is perpendicular to the line in the diagram?

A	В	С	D	E
(4, 9) and (3, 8)	(-6, 1) and (-1, 6)	(7, 3) and (7, 1)	(0, 0) and (5, -5)	(4, 8) and (-7, 6)

(4) What is 1.65 as a fraction?

A	В	С	D	E
165	32	7	33	13
165	2	S	20	8

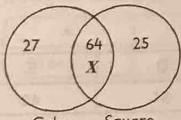
5 The width of this rectangle is 3 times smaller than its length.



Which expression shows the perimeter of the rectangle?

A	В	5 C	D	A E
3 <i>b</i>	16 <i>b</i>	146	18 <i>b</i>	246

(6) This is a Venn diagram.



Cube Square numbers numbers

Which of the following could be the value of X?

A	В	С	D	E
36	1	81	9	8

7) The price of a hat is reduced by 15% in a sale.

The reduced price is £85

What was the price of the hat before it was reduced?

	В	С	D	E
A	107	£70	£100	£110
€85	£91	2.0		

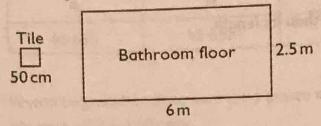
Questions continue on the next page

8 pears cost the same as 4 oranges.2 oranges cost the same as 3 lemons.

If the cost of a lemon is 32 pence, what is the cost of 4 pears?

If the cost of a terr		C	D	E
A	В		96 pence	2
64 pence	32 pence	100 pence		24 pence

Ben plans to cover his bathroom floor with square marble tiles.
The diagrams below show the dimensions of the bathroom floor and 1 square marble tile.



How many marble tiles does Ben need to cover the whole area of the bathroom floor?

A	В	C	D	E
50 tiles	60 tiles	30 tiles	15 tiles	80 tiles

(10) If y = 4, what is the mean of these expressions?

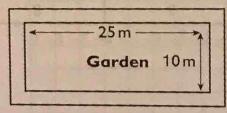
$$3y + 5$$
 $4y + 6$ $4y - 1$

A	В	С	D	A) E
3	18	20	54	48

A path is laid around the outside of a garden.

The length of the garden is 25 m and its width is 10 m.

The path is 1 m wide.



What is the total area of the path and the garden?

Α	В	C	D	AE
324 m ²	250 m ²	286 m ²	270 m ²	348 m ²

1000			100		
(12)	Look	at	this	tab	le
11-					

Shape	No. of sides	Sum of -II
Triangle	3	Sum of all angles
Square		180°

Which of the following should go in the empty cell?

A	R			
540°	000	С	D	E
340	90°	180°	270°	360°

Rita owns some shares in a company.

The share price rises by 10% and the total value of Rita's shares increases by £10000 lf the price of 1 share before the increase was £50, how many shares does Rita own?

Α	В	C	by order D ordered	I de la company
1000	50	10000	2000	- Formal Envi
	The same of the sa	10000	2000	50000

For every 7 bananas in a crate, there are 4 oranges.

If there are 132 oranges, how many bananas are there in the crate?

A	аВ	2 C	D	E
33 bananas	85 bananas	363 bananas	924 bananas	231 bananas

Tia shares £4.80 equally between herself and two friends.

How much does each friend receive?

A	2 E B	000 C	085 D	DST E
£1.00	£2-40	£1.60	£3·60	£0.80

16) The volume of a cube is 125 cm³.

What is the surface area of the cube?

A	В	С	D	E
125 cm ²	25 cm ²	150 cm ²	225 cm ²	5 cm ²

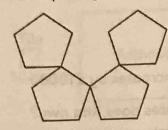
Neil is facing north-west.

He turns 270° anticlockwise.

Which direction is Neil now facing?

1	Which direction is	Neil now .	C	D	E
1	A	В	north-east	south-west	West
1	south-east	east	HOLONG OF CALL	Pinous Bunkonot	2000

18 The shape below is formed from identical regular pentagons. Each pentagon has a side length of 7.5 cm.



What is the perimeter of the shape?

C .	1000S R	pepar c	D	E
A	and the second second second	107.5	75 cm	150 cm
7-5 cm	37-5 cm	187·5 cm	75 CIII	130 cm

(19) 1.7 × 0.04 =

A	Ф В	C	8 D	AE
0.068	6.8	68.6	0.68	0.0068

Which of the following numbers is a multiple of 9 and 5 but not of 4?

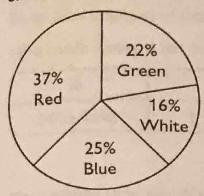
A	d the d B de of a	C	nes each d'lond rech	to double
180	260	200	315	250

(21) Which number should go in the box to complete the sum?

A	В	C	D	F
280	430	540	220	200
	Total Control of the	3,0	330	200

22

Lisa asked 100 students to choose their favourite colour. She recorded her results in the pie chart below.



25% of students chose blue as their favourite colour.

What is the size of the angle in the blue segment of the pie chart?

A	В	C	D	E
34°	45°	25°	90°	135°

(23) The three angles in a triangle are X° , $5X^{\circ}$ and $4X^{\circ}$.

What is the value of $2X^{\circ}$?

A	В	С	D	E
20°	90°	180°	36°	18°

(24) There are 13 children standing in a queue.

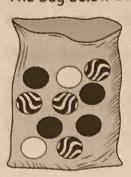
There are twice as many children standing in front of Maria than behind her.

In what position in the queue is Maria standing?

A	В	С	D	E
7th	3rd	5th	8th	9th



25) The bag below contains black, white and striped balls.

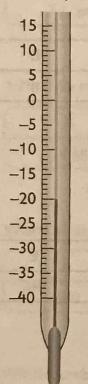


Jaks removes 1 ball at random.

What is the probability that this ball is striped?

A	В	C	at an object the to	E
2	4	$\frac{3}{8}$	5	2
10	5			5

This thermometer shows the temperature in Greenland on Thursday. 26 The temperature on Friday was 3 degrees greater than on the previous day. The temperature on Saturday was 7 degrees less than on the previous day.



What was the temperature in Greenland on Saturday?

Α	В	С	D	E
-24°	-16°	-25°	_17°	120

A cup can hold 450 ml of water when full.

A jug can hold 3.5 litres of water when full

Ewan uses a full jug of water to fill $4\frac{1}{2}$ empty cups.

How much water is left in the jug?

В	C	D	E STREET
1.5 litres	0.8 litres	1.7 litres	1·475 litres
	B 1·5 litres	B C 1.5 litres 0.8 litres	B C D 1.5 litres 0.8 litres 1.7 litres

On a number line, which number would be halfway between -15 and 25?

A	В	P C	D	E
0	5	10	15	20

When the grid below is filled, the numbers in each row and column add up to 33

	10	8
5	?	11
		14

Which number should replace the question mark?

A	В	С	D	E
13	18	17	14	5

30) What fraction of 7 weeks is a fortnight?

A	В	С	D	E
1/14	7 49	2 7	14 7	49 14