

- 1) Henry eats  $y$  biscuits more than Fred. Fred eats 7 biscuits.  
How many biscuits does Henry eat?

A	$y + 7$
B	$7y$
C	$7 - y$
D	$y/7$

- 2) What is the quotient when 168 is divided by 3?

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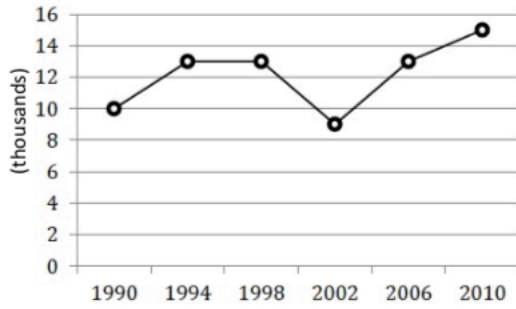
- 3)  $1/7 + 7/1 =$

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- 4) 14 is 7% of  $G$ .  
What is the value of  $G$ ?

A	200
B	168
C	140
D	100

- 5) This graph shows how many people emigrated from Island B each year.  
How many more people emigrated in 2010 than in 1994?



- 6) What is the straight-line distance between  $(-7, 9)$  and  $(9, 9)$ ?

A	7
B	2
C	16
D	9

- 7) The share price of a company was £10 on Tuesday. On Wednesday, the share price increased by 10%. On Thursday, it decreased by 10%.  
What was the share price of the company on Thursday?

- 8) In Figure 2, a triangle intersects a semicircle with an area of  $24 \text{ cm}^2$ .  
If  $x^\circ = 90^\circ$ , what is the area of the shaded region?

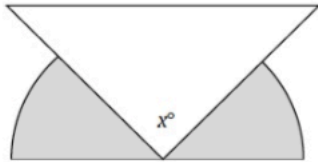


Figure 2

- 9) Sarah has  $x - 1$  friends. Jill has twice as many friends as Sarah.  
In terms of  $x$ , how many friends does Jill have?

A	$x - 2$
B	$2x - 2$
C	$x + 2$
D	$2x - 1$

- 10)  $\frac{1}{4} + y < 1$   
Which of the following could not be the value of  $y$ ?

A	$\frac{3}{5}$
B	$\frac{1}{2}$
C	$\frac{7}{8}$
D	$\frac{1}{3}$

- 11)  $4,321 - 3,422.2 =$

- 12) Tim's garden measures 7 m by 8 m.  
He spends £420 on turf to completely cover his garden.  
What is the cost of turf per square metre?

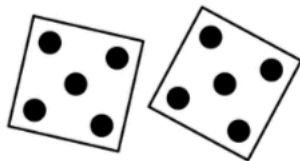
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- 13) How many lines of symmetry does this shape have?



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- 14) Harry rolls two fair dice. What is the probability that he scores 5 on both dice?



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15) A group of 32 friends each donated money to charity. The average donation was £13.66.  
How much money was donated in total?

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16) How many fifths are there in  $31\frac{3}{5}$ ?

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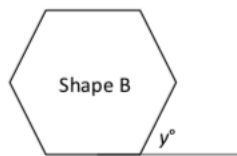
17) I think of a number, add 7, divide by two and then multiply by 5.  
My answer is 40.  
What number did I think of?

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- 18) The attendance at a conference was 23,000, rounded to the nearest hundred.  
What is the difference between the largest and smallest possible attendances?

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- 19) Shape B is a regular hexagon.  
What is the value of  $y$ ?



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- 20) The letters A, B and C each represent a unique non-zero integer.  
What integer does the letter C represent?

BBA

+ C1A

566

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