

1) What is the median of the following set of numbers?

8 16 91 2 13 87 43 12 76 3 9

2) What is 4% of 3,800 kg?

3) Ben stands in a queue. He is seventh from the front and fourth from the back.
How many people are in the queue?

4) It is -27.5°C in Greenland and 22.5°C in Madrid.
What is the difference in temperature?

- 5) $7x + 4(y + 7) = z$
If $x = 3$ and $y = 9$, what is the value of z ?

- 6) Which shape has twice as many edges as faces?

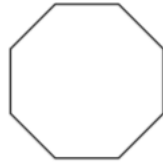
A	cylinder
B	sphere
C	triangular prism
D	cube

- 7) How many pencils that cost 28 pence can be bought for £6.50?

- 8) What is 65×32 ?

9) $\frac{5}{6} - \frac{1}{4} =$

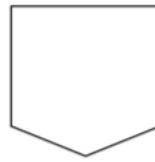
10) How many more lines of symmetry does Shape B have than Shape U?



Shape B



Shape G



Shape U

11) Alice runs 400 metres at a speed of 10 m/s.
Simon runs 400 metres at a speed of 5 m/s.
How many more seconds does Simon take than Alice to run 400 metres?

12) Round 567,479 to the nearest 25.

13) A bear eats 4 salmon per day.
How many salmon does the bear eat in July and August?

14) -95 -57 -19 ? 57

What number should replace the '?' in the sequence above?

A	57
B	95
C	-19
D	19

15) What is the highest common factor of 72, 96 and 32?

16) $1 + 0.03 - 0.42 + 0.08 =$

- 17) 1,200 sweets are divided into four piles with a ratio of 7:6:9:2.
How many more sweets are in the largest pile than the smallest one?

- 18) The probability that a red squirrel has brown eyes is $\frac{1}{4}$.
The probability that a red squirrel has green eyes is $\frac{3}{5}$.
The probability that a grey squirrel has brown eyes is $\frac{5}{6}$.
What is the probability of a red squirrel having neither brown nor green eyes?

19) A rectangle has a length of 17 m and width of 4 m.

What will the area of the rectangle be if I double the length and triple the width?

20) What fraction of the numbers between 12 and 31, inclusive, are prime?

Write your answer as a fraction in its lowest terms.
