

4 take-away coffees cost £9.80. How much for 7 take-away coffees?



2

Write 0.02 as a fraction and a percentage.

3

If $x = 3$ and $y = -2$ calculate :-
 $4x^2 - 5y$

4



This £40 shirt has 35% off in the January sales. How much do you save?

5

Calculate
 $-4 \times (-3)$

6

Calculate
 600^2

7

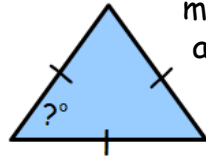
What is the Highest Common Factor of 12 and 30?

8

Simplify the following expression...

$$7a + 2b + 3a - 6b$$

9



Calculate the missing angle...

10

Dave is a DJ and has got a new turntable with flashing lights. The yellow light flashes every 4 seconds, the blue light every 5 seconds and the red light every 12 seconds. The lights flash at the same time. After how long will the lights flash together again?

11

Calculate
 0.03×0.3

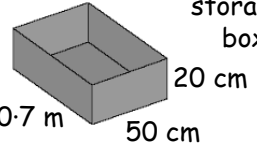


12

Calculate
 $0.78 - 3.6 + 4.097$

13

Calculate the volume of this storage box...



14

Change $\frac{55}{7}$ into a mixed number

15

Solve the equation...
 $6x - 2 = 1$

16

Calculate
 $\frac{1}{5} + \frac{3}{4}$

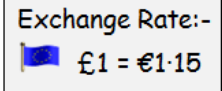
17

In a survey of 56 people, $\frac{7}{8}$'s of them were found to be right-handed. How many of them were right handed?



18

Exchange Rate:-
£1 = €1.15
How many euros would I receive for £600?



19

Select the prime number(s) from the following list...
31, 33, 35, 37, 38, 39

20

A standard pack of playing cards has 52 cards. What is the probability of choosing a queen at random?



21

Ally is trying out his new fit-bit. He went for a 45 minute walk and travelled 3 miles. What was his average walking speed?



22

A can of cola holds 330 millilitres of fizzy juice. How many litres is this?



23

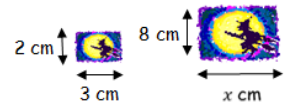
By first rounding to 1 figure of accuracy estimate
 $3782 \div 46$

24

Express 45 as a product of prime factors

25

These two prints are mathematically similar. Calculate the length of the missing side...



26

The perimeter of this regular pentagon is 300 m. Calculate the length of the missing side...



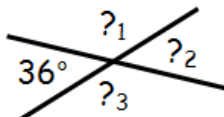
27

The velocity, v metres per second, at the top of a loop in a roller coaster is given by the formula $v = \sqrt{gr}$ where r metres is the radius of the loop. Calculate the value of v when $g = 8.1$ and $r = 10$.



28

Calculate the missing angles...



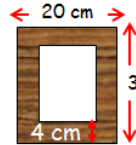
29

Write a rule and complete the table...

no. of rings (R)	1	2	3	19	?
diamonds (D)	5	8	11	?	101

30

Calculate the area of wood required for this picture frame...



31

What is the bearing FROM Istanbul to Glasgow?

