

Today we will get your minds working with some basic arithmetic followed by some more in-depth questions relating to multiplication. Every area of maths in today's questions has been covered recently so take your time, think about your answers and make sure you explain them fully.

Arithmetic

$238\,888 + 1000 + 1000 =$

$4 \times 120 =$

$$\begin{array}{r} 41\,904 \\ + 38\,137 \\ \hline \end{array}$$

$840\,000 + 70\,000 =$

$9999 + 2 =$

$$\begin{array}{r} 2089 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 48 \\ \times 89 \\ \hline \end{array}$$

$40 \times 40 =$

$34,175 + 2,907 =$

$82.2 + 5.6 =$

Reasoning Multiplication

1.

$$6 \times 6 = 36$$

$$12 \times 3 = 36$$



Can you explain why both these answers are correct? What can you see? What has happened?

2.

Which number sentence will have the greatest product?

$$23 \times 12 \times 36$$

$$36 \times 12 \times 23$$

$$12 \times 36 \times 23$$



The girls are considering a maths problem. They are trying to make the largest product from the three numbers by multiplying in a different order.

What will they find and why?

3.

What is the largest product that you can make when multiplying a three digit number that doesn't have any zeros by a single digit?



$$\begin{array}{r} ??? \\ \times ? \\ \hline \end{array}$$

