## Maths

## Multiplication and Division

## Multiplication Magic



(8) $\begin{aligned} & \text { (1) } \text { Focused education on life's walk } \\ & \text { www.regentstudies.com }\end{aligned}$

## Aim

- I can use multiplication tables facts to solve calculations with larger numbers and calculations with decimals.


## Success Criteria

- I can identify times table facts within larger numbers.
- I can multiply the fact by multiples of 10 to solve calculations with larger numbers.
- I can divide the fact by multiples of 10 to solve calculations with decimals.


## Magic Wands

Start with the number in the middle and calculate the number which will be at each end of the wand.


## Multiplying in Two Steps <br> $400 \times 30=$ ?

How would you solve this?


## Larger Numbers

Remember the two steps:

1) Look for the multiplication you know.
2) Adjust the answer.


## Multiplying Decimals

When we multiply decimals, step 1 is the same.
We look for the multiplication we know:


## Now Try These

Work in pairs to find the answers to these problems:

Remember the two steps:

1) Look for the multiplication you know.
2) Adjust the answer.

$$
\begin{aligned}
& 0.7 \times 4=2.8 \\
& 30 \times 6000=180000 \\
& 0.9 \times 3=2.7 \\
& 5 \times 0.6=3.0 \\
& 300 \times 700=210000 \\
& 8 \times 0.4=3.2 \\
& 30 \times 500=15000 \\
& 6 \times 0.9=5.4
\end{aligned}
$$

## Multiplication Magic

Use your marvellous maths skills to complete these activities:


## Find a Friend





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