

Multiply and divide numbers mentally drawing on known facts.

$$10 \times 46 = 460$$

What else can we work out using this fact?

How could we find 19×46 ?

$$\begin{aligned} 19 \times 46 &= (20 \times 46) - 46 \\ &= 920 - 46 \\ &= \mathbf{874} \end{aligned}$$

We could also find
 5×46 , 15×46 ,
 20×46 , 21×46 ...

Choose another even 2-digit number, multiply it by 10, then use this to multiply the number by 5, 20 and 21.

Multiply and divide numbers mentally drawing on known facts.

$$20 \times 6 = 120$$

$$30 \times 6 = 180$$

$$20 \times 7 = 140$$

$$30 \times 7 = 210$$

$$20 \times 8 = 160$$

$$30 \times 8 = 240$$

Write the answers to these questions
– use times tables facts to help.
For example, we know $2 \times 6 = 12$,
so $20 \times 6 = 120$...



Multiply and divide numbers mentally drawing on known facts.

We can use these answers to help with division.

$$20 \times 6 = 120$$

$$30 \times 6 = 180$$

$$20 \times 7 = 140$$

$$30 \times 7 = 210$$

$$20 \times 8 = 160$$

$$30 \times 8 = 240$$

$$244 \div 8$$

We know that $30 \times 8 = 240$
so $244 \div 8 = 30 \text{ r } 4$ or $30\frac{1}{2}$.