

MULTIPLY THREE NUMBERS



Get ready

Here is your starter.

$$1) \quad 2 + 3 + 4 =$$

$$3 + 2 + 4 =$$

$$4 + 3 + 2 =$$

$$4 + 2 + 3 =$$

$$2) \quad 5 \times 6 =$$

$$10 \times 3 =$$

$$15 \times 2 =$$

$$3) \quad 1 \times \square = 24$$

$$2 \times \square = 24$$

$$3 \times \square = 24$$

$$4 \times \square = 24$$

$$1) \quad 2 + 3 + 4 = 9$$

$$3 + 2 + 4 = 9$$

$$4 + 3 + 2 = 9$$

$$4 + 2 + 3 = 9$$

Commutative

$$2) \quad 5 \times 6 = 30$$

$$10 \times 3 = 30$$

$$15 \times 2 = 30$$

$$3) \quad 1 \times \boxed{24} = 24$$

$$2 \times \boxed{12} = 24$$

$$3 \times \boxed{8} = 24$$

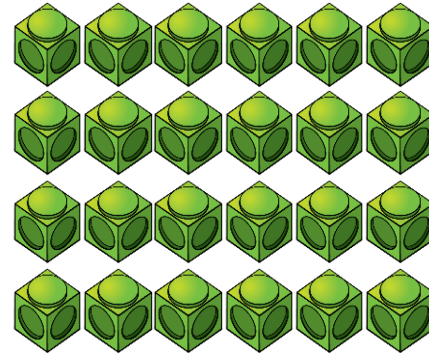
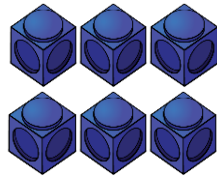
$$4 \times \boxed{6} = 24$$



Let's learn

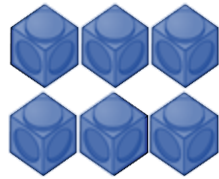
Get ready for today's
new learning.

What multiplications are shown by these arrays?

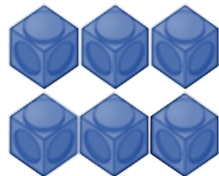


$$\boxed{3} \times \boxed{2} = \boxed{6}$$

$$\boxed{6} \times \boxed{4} = \boxed{24}$$



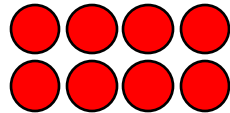
There are 4 groups of 6



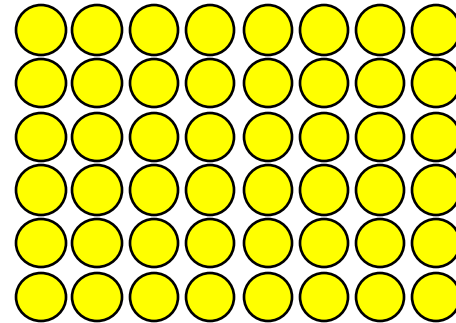
There are 4 groups of 3 \times 2

$$\boxed{3} \times \boxed{2} \times \boxed{4} = \boxed{6} \times \boxed{4}$$

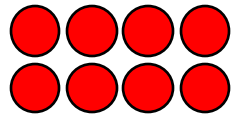
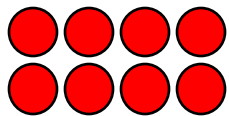
What multiplications are shown by these arrays?



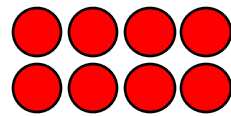
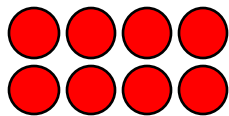
Have a think



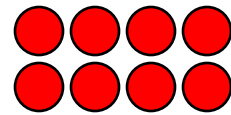
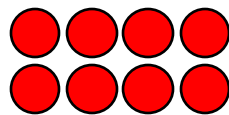
$$\boxed{4} \times \boxed{2} = \boxed{8} \quad \boxed{8} \times \boxed{6} = \boxed{48}$$



There are 6 groups of 8



There are 6 groups of 4 × 2



$$\boxed{4} \times \boxed{2} \times \boxed{6} = \boxed{8} \times \boxed{6}$$

How many ways can you use all three digit cards to fill in the multiplication sentence?



$$\square \times \square \times \square$$

Have a think



$2 \times 5 \times 3$

$3 \times 2 \times 5$

$5 \times 2 \times 3$

$2 \times 3 \times 5$

$3 \times 5 \times 2$

$5 \times 3 \times 2$

How many ways can you use all three digit cards to fill in the multiplication sentence?

$$10 \times 3 \quad \boxed{2} \quad \boxed{6} \times \boxed{5} \quad \boxed{3} \quad 15 \times 2$$

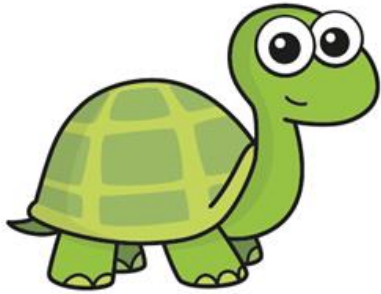
$$30 \quad \square \times \square \quad 30 \times \square \quad 30$$

Which method do you prefer?

Why?

$$2 \times 5 \times 3 \quad 3 \times 2 \times 5 \quad 5 \times 2 \times 3$$

$$2 \times 3 \times 5 \quad 3 \times 5 \times 2 \quad 5 \times 3 \times 2$$



$$4 \times 2 \times 5 = 4 \times 7 \quad \times$$

$$4 \times 10$$

$$4 \times 5 \times 2 > 4 \times 9 \quad \checkmark$$

$$4 \times 10$$

Can you work out if Tiny is correct without calculating? Have a think

8 and 5 are greater than 4 and 7

$$\text{so } 8 \times 5 > 4 \times 7$$





$$4 \times 2 \times 5 = 4 \times 7 \quad \times$$

$$4 \times 10$$

$$4 \times 5 \times 2 > 4 \times 9 \quad \checkmark$$

$$4 \times 10$$

$$8 \times 6 > 2 \times \square \times 4$$

$$6 > \square$$

8

Have a think



$$\boxed{2} \times \boxed{4} \times \boxed{12} = \underline{24}$$

12

Have a think



$$2 \times 12$$

$$3 \times 8$$

$$4 \times 6$$

$$1 \times 24$$

$$4 \times 4 \times 5 = 80$$

$$\begin{array}{c} \swarrow \quad \searrow \quad \swarrow \quad \searrow \\ \cancel{4}6 \times \cancel{4}25 = 80 \end{array}$$

I don't know my 16 times-table.



Have a think



ADAPT YOUR INPUT

Use character artwork and other clipart from the following slides to adapt your input. These slides are just a starting point for your lesson. Add your own questions and content to meet the needs of your class.



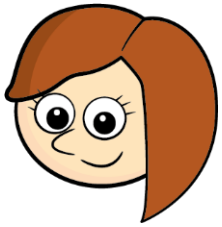
Your turn

Have a go at questions

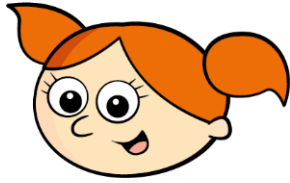


I do

You do



Rosie



Alex



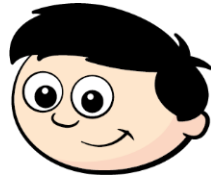
Amir



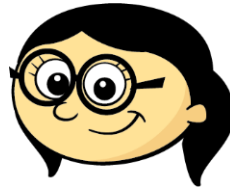
Whitney



Ron



Dexter



Annie



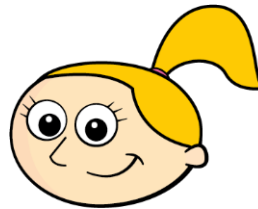
Tommy



Mo



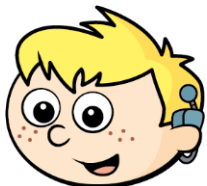
Jack



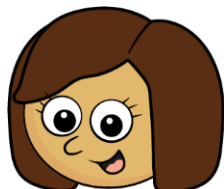
Eva



Teddy



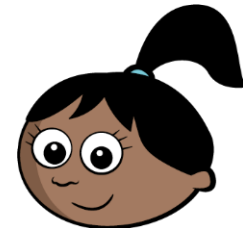
Max



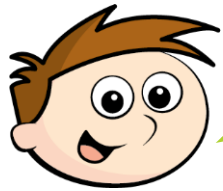
Kim



Jo



Sam



Speech bubble text –
replace with any
character head.

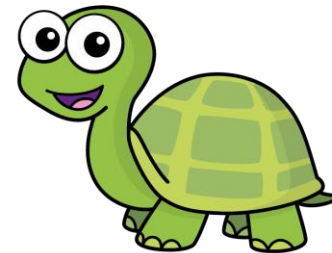
Speech bubble text –
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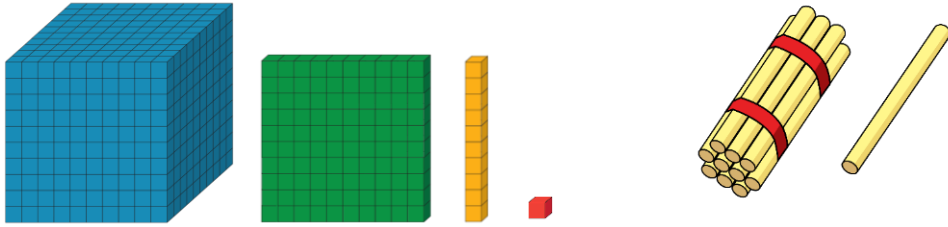
Bee



Diddy



Tiny



100	
40	60

TTh	Th	H	T	O	Tth	Hth

