

REASON FROM
KNOWN FACTS



GET READY



$$1) 2 \times 12 \times 5 =$$

$$2) 4 \times 2 \times 6 \times 5 =$$

$$3) 9 \times 5 \times 2 \times 10 =$$

$$1) 2 \times 12 \times 5 = 120$$

$$5 \times 2 \times 12$$

$$2) 4 \times 2 \times 6 \times 5 = 240$$

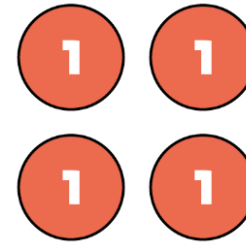
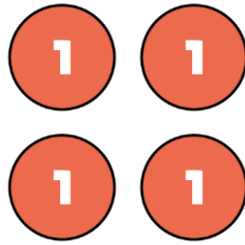
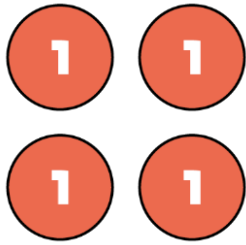
$$4 \times 6 \quad 2 \times 5$$

$$24 \times 10$$

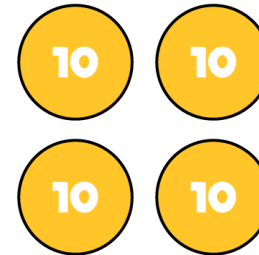
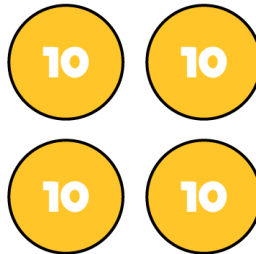
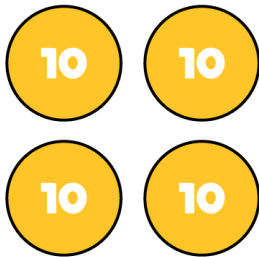
$$3) 9 \times 5 \times 2 \times 10 = 900$$

LET'S LEARN

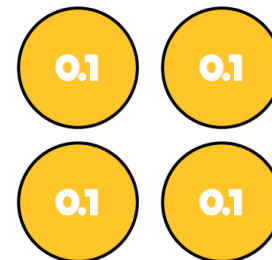
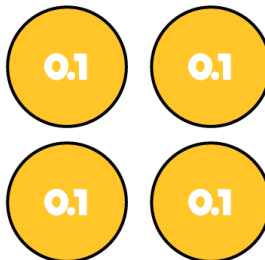
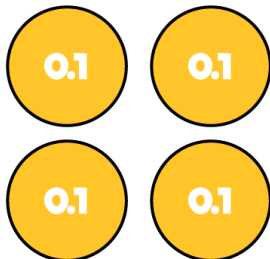




$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$



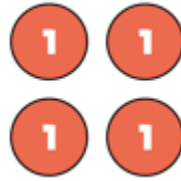
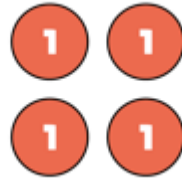
$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$



$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

Have a think





$$3 \times 4 = 12$$

3×4 ones = 12 ones



$$3 \times 40 = 120$$

3×4 tens = 12 tens



$$3 \times 0.4 = 1.2$$

3×4 tenths = 12 tenths

$$3 \times 4 = 12$$

$$3 \times 4 \text{ ones} = 12 \text{ ones}$$

$$3 \times 400 = \boxed{1,200}$$

12 hundreds

$$120 \div 3 = \boxed{40}$$

$$12 \div 4 = 3$$

$$12 \div 3 = 4$$

$$\boxed{1,200} \div 400 = 3$$

Have a think



YOUR TURN

Have a go at questions
1 - 3 on the worksheet



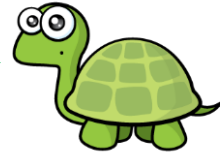


Have a think

$$3,421 + 1,637 = 3,420 + 1,638$$

-1

+1



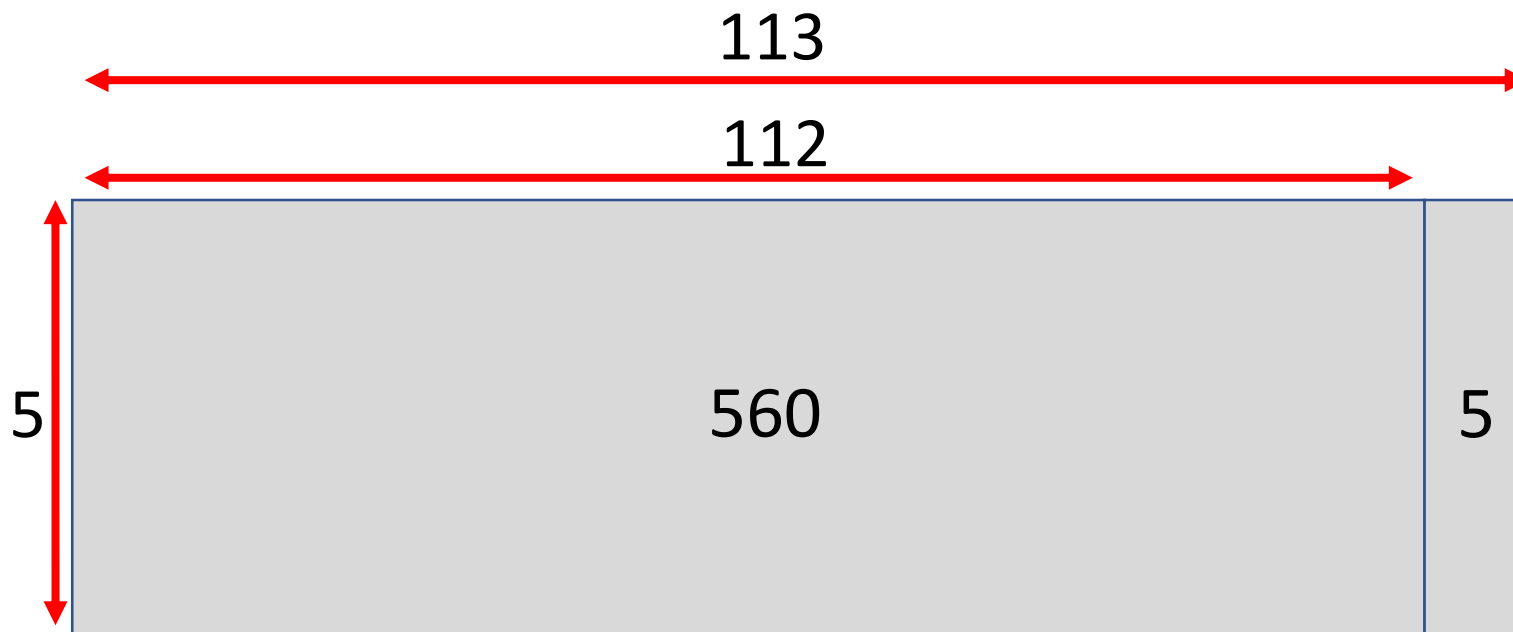
$$3 + 5 = 8$$

$$2 + 6 = 8$$

-1 +1

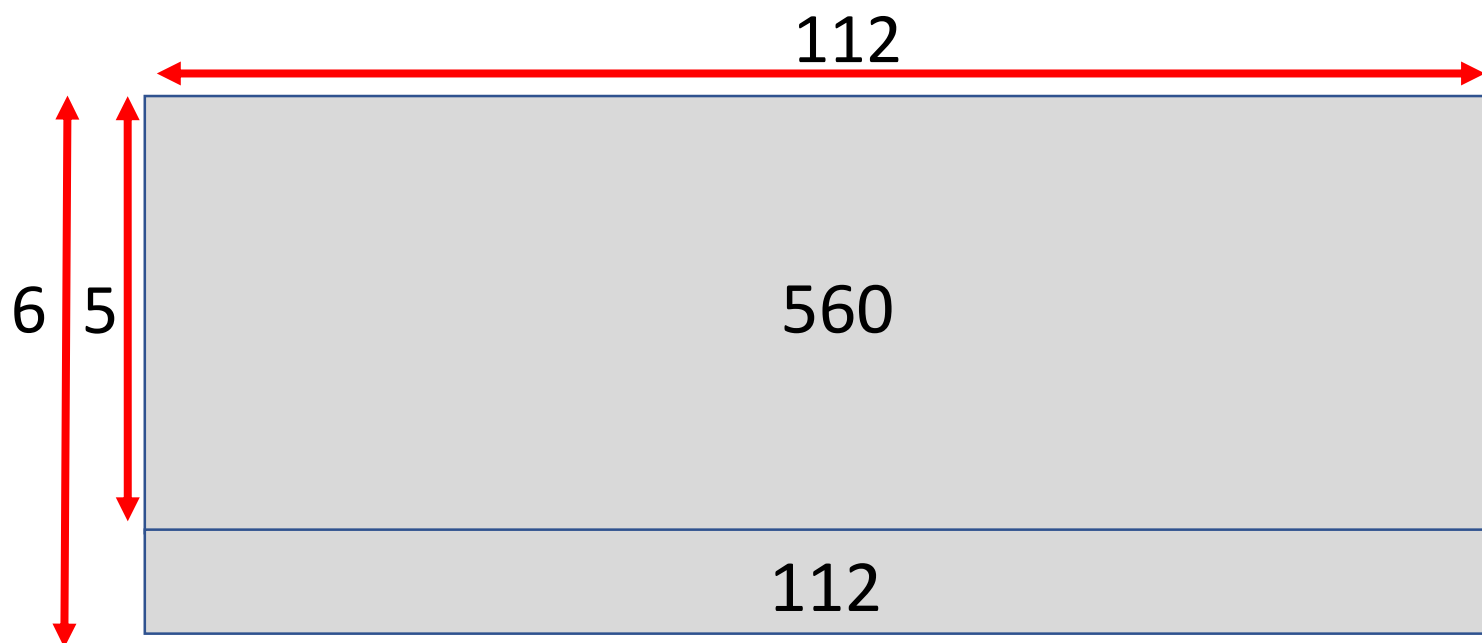
When adding numbers, if you subtract an amount from one number and add the same amount to the other number, the total will be the same.

If I know $112 \times 5 = 560$
How can I work out 113×5 ?



$$113 \times 5 = 112 \times 5 + 5 = 565$$

If I know $112 \times 5 = 560$
How can I work out 112×6 ?



$$112 \times 6 = 112 \times 5 + 112 = 672$$

Have a think



If I know $112 \times 5 = 560$
How can I work out 112×6 ?

560					112
112	112	112	112	112	112

672					
112	112	112	112	112	112

Dexter and Ron are making an obstacle course
using planks of wood.



Dexter needs 5 planks of wood that are 52 cm long.

Ron needs 6 planks of wood that are 53 cm long.



How much more wood does Ron need?

Have a think





Dexter needs 5 planks of wood that are 52 cm long.



Ron needs 6 planks of wood that are 53 cm long.

How much more wood does Ron need?

$$\div 2 \quad \left(\begin{array}{c} 52 \times 5 \\ 26 \times 10 \end{array} \right) \times 2 = 260 \text{ cm}$$

Strategy 1 –
Double and halve

$$\div 2 \quad \left(\begin{array}{c} 36 \times 5 \\ 18 \times 10 \end{array} \right) \times 2 = 180$$



Dexter needs 5 planks of wood that are 52 cm long.



Ron needs 6 planks of wood that are 53 cm long.

How much more wood does Ron need?

	Th	H	T	O
			5	3
×				6
		3	1	8
			1	



Dexter needs 5 planks of wood that are 52 cm long.



Ron needs 6 planks of wood that are 53 cm long.

How much more wood does Ron need?

Dexter needs 260 cm of wood.

Ron needs 318 cm of wood.

Ron needs 58 cm more wood.

Th	H	T	O
	² 3	¹ 1	8
	2	6	0
		5	8

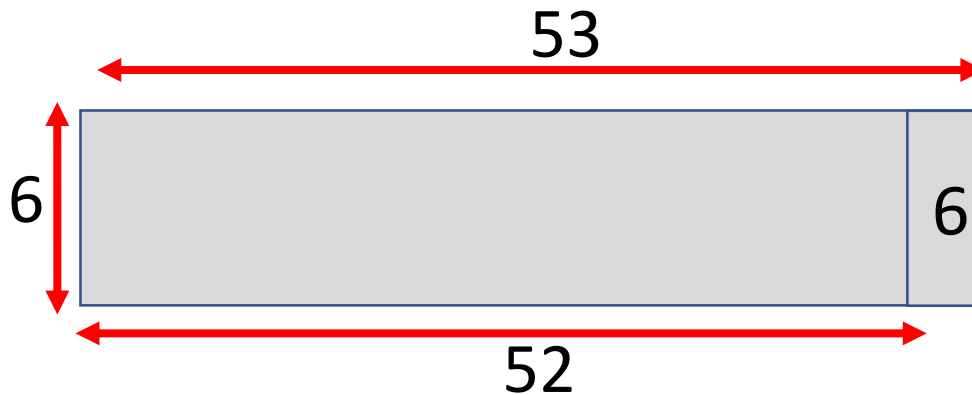
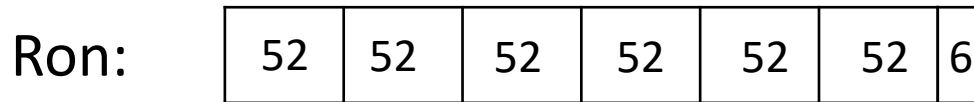
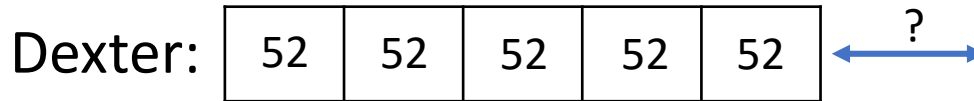


Dexter needs 5 planks of wood that are 52 cm long.



Ron needs 6 planks of wood that are 53 cm long.

How much more wood does Ron need? **58 cm**



YOUR TURN

Have a go at the rest of
the worksheet

