Draw it

bar

120

array

groups

○○○○○○○○○○○○

○○○○○○○○○○○○

number line

0 120

Dissect it

10 x 12 = 10 x □ + 10 x □

= □ + □

= □

10 x 12 = 10 x □ + 10 x □

= □ + □

= □

10 x 12 = 10 x □ + 10 x □ + 10 x □

= □ + □ + □

= □

10 x 12 = 10 x □ + 10 x □

= □ + □

= □

10

12

120

If I know 10 x 12 = 120 then I also

□ x □ = 120

120 = □ x □

120 = □ x □

□ ÷ □ = □

□ = □ ÷ □

__ multiplied by __ is __

__ groups of __ is __

__ is ten times bigger than __

__ shared equally between 10 is __ each

__ put into groups of 10 is __ groups of 10

__ is ten times smaller than __

10 = □ ÷ 12

120 = □ x 12

12 = □ ÷ 10

□ x 10 = 120

Mo has twelve 10p coins. How much money does he have **altogether**?

120 chairs are put into ten equal rows. How many chairs are there in **each** row?

Each box holds a dozen eggs. How many boxes can 120 eggs fill?

A scarf has 12 stripes of each colour. There are ten colours. How many stripes are there **in total**?

True or false?

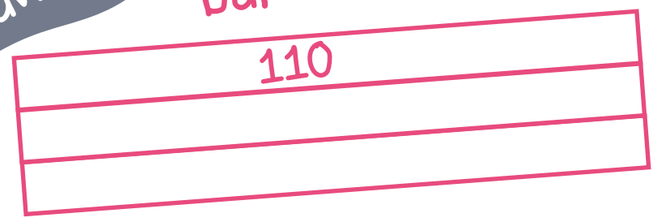
10 x 12 is double 10 x 6

Derive it

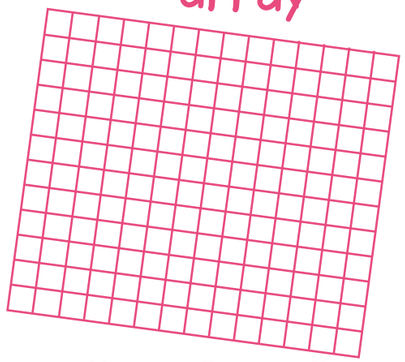
Deepen it

Draw it

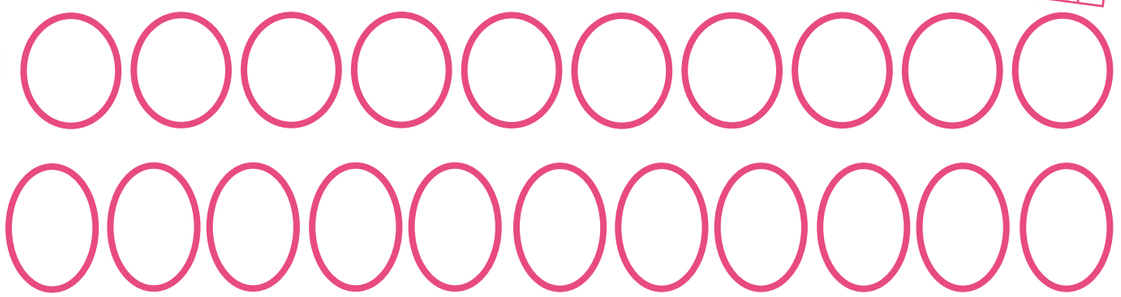
bar



array



groups



number line

If I know 10 x 11 = 110 then I also

□ x □ = 110

110 = □ x □

110 = □ x □

□ ÷ □ = □

□ = □ ÷ □

__ multiplied by __ is __

__ groups of __ is __

__ is ten times bigger than __

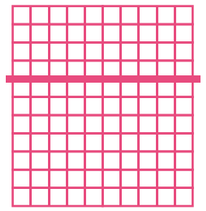
__ shared equally between 10 is __ each

__ put into groups of 10 is __ groups of 10

__ is ten times smaller than __

Derive it

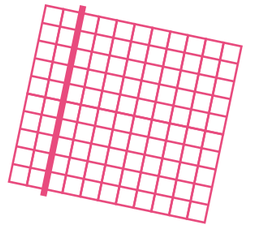
Dissect it



10 x 11 = 10 x □ + 10 x □

= □ + □

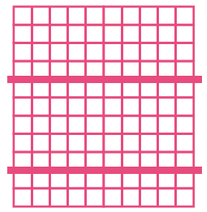
= □



10 x 11 = 10 x □ + 10 x □

= □ + □

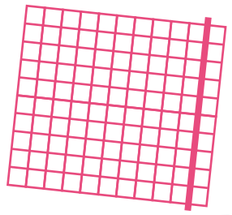
= □



10 x 11 = 10 x □ + 10 x □ + 10 x □

= □ + □ + □

= □



10 x 11 = 10 x □ + 10 x □

= □ + □

= □

10 = □ ÷ 11

110 = □ x 11

11 = □ ÷ 10

□ x 10 = 110

11 + 10 = 110

True or false?

There are eleven 10kg bags of sand. How much sand is there **altogether**?

A rope is 110 metres. long. It is cut into ten equal pieces. How long is **each** piece?

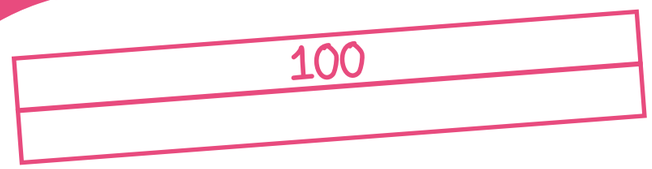
There are 110 hockey players. If **each** team has 11 players, how many teams are there?

10 plants are planted in **each** pot. There are eleven pots. How many plants are planted **in total**?

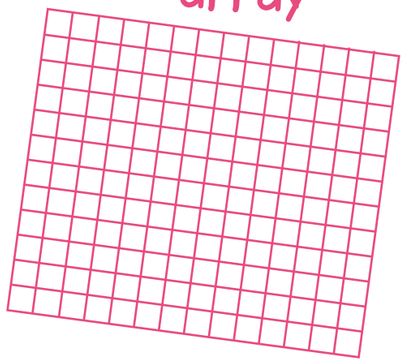
Deepen it

Draw it

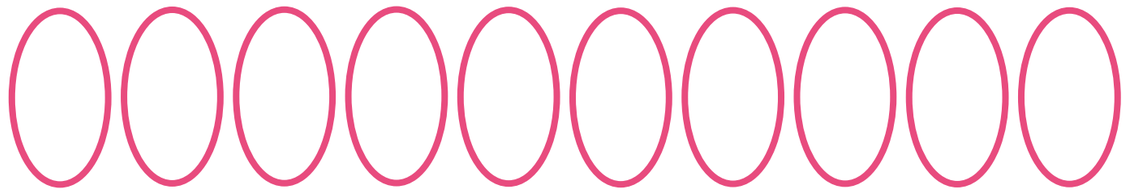
bar



array



groups



number line

If I know 10 x 10 = 100 then I also know...

□ x □ = 100

100 = □ x □

□ ÷ □ = □

□ = □ ÷ □

__ multiplied by __ is __

__ groups of __ is __

__ is ten times bigger than __

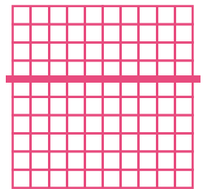
__ shared equally between 10 is __ each

__ put into groups of 10 is __ groups of 10

__ is ten times smaller than __

Derive it

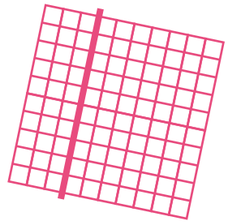
Dissect it



10 x 10 = 10 x □ + 10 x □

= □ + □

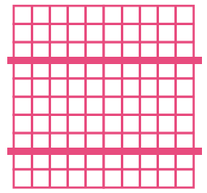
= □



10 x 10 = 10 x □ + 10 x □

= □ + □

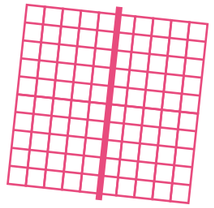
= □



10 x 10 = 10 x □ + 10 x □ + 10 x □

= □ + □ + □

= □



10 x 10 = 10 x □ + 10 x □

= □ + □

= □

10 = □ ÷ 10

100 = □ x 10

10 = □ ÷ 10

□ x 10 = 100

10 ÷ 100 = 10

True or false?

Seb collects £1 in 10p coins. How many coins does he have?

There are 10 rows of ten stamps. How many stamps are there **in total**?

100 slabs are laid in a patio in ten equal rows. How many slabs are there in **each** row?

Dan buys ten raffle tickets for ten pence each. How much do the tickets cost **altogether**?

Deepen it

Draw it

bar

90

array

groups

number line

0 90

Dissect it

$10 \times 9 = 10 \times \square + 10 \times \square$

$= \square + \square$

$= \square$

$10 \times 9 = 10 \times \square + 10 \times \square$

$= \square + \square$

$= \square$

$10 \times 9 = 10 \times \square + 10 \times \square + 10 \times \square$

$= \square + \square + \square$

$= \square$

$10 \times 9 = 10 \times \square + 10 \times \square$

$= \square + \square$

$= \square$

10 9 90

If I know $10 \times 9 = 90$ then I also know...

$\square \times \square = 90$

$90 = \square \times \square$

$90 = \square \times \square$

$\square \div \square = \square$

$\square = \square \div \square$

__ multiplied by __ is __

__ groups of __ is __

__ is ten times bigger than __

__ shared equally between 10 is __ each

__ put into groups of 10 is __ groups of 10

__ is ten times smaller than __

$10 = \square \div 9$

$90 = \square \times 9$

$9 = \square \div 10$

$\square \times 10 = 90$

$90 \div 10 = 9$

True or false?

In a shop till are nine £10 notes. How much money is that **in total**?

A kitchen floor has 90 tiles. There are ten equal rows. How many tiles are in **each** row?

How many toes are there on nine pairs of feet **altogether**?

Each bar of chocolate has ten squares. There are 90 squares of choclate **in total**. How many bars are there?

Derive it

Deepen it

Draw it

bar

80

array

groups

number line

0 80

Dissect it

10 x 8 = 10 x ☐ + 10 x ☐
= ☐ + ☐
= ☐

10 x 8 = 10 x ☐ + 10 x ☐
= ☐ + ☐
= ☐

10 x 8 = 10 x ☐ + 10 x ☐ + 10 x ☐
= ☐ + ☐ + ☐
= ☐

10 x 8 = 10 x ☐ + 10 x ☐
= ☐ + ☐
= ☐

If I know 10 x 8 = 80 then I also know...

☐ x ☐ = 80

80 = ☐ x ☐

80 = ☐ x ☐

☐ ÷ ☐ = ☐

☐ = ☐ ÷ ☐

__ multiplied by __ is __

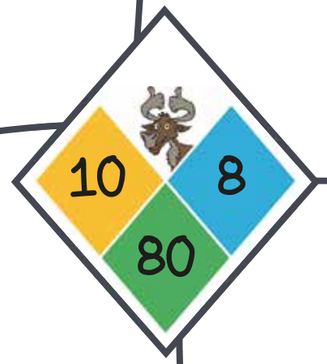
__ groups of __ is __

__ is ten times bigger than __

__ shared equally between 10 is __ each

__ put into groups of 10 is __ groups of 10

__ is ten times smaller than __



10 = ☐ ÷ 8

80 = ☐ x 8

8 = ☐ ÷ 10

☐ x 10 = 80

10 x 8 is double 10 x 4
True or false?

Each bucket holds 10 litres of water. How much water can eight buckets hold **altogether**?

80 people line up in ten equal lines. How many people are in **each** line?

It is 10 km from home to town and back. How far have I travelled **in total** if I go to town 8 times?

There are 80 people in a restaurant. There are ten people at **each** table. How many tables are there?

Derive it

Deepen it

Draw it

bar

70

array

groups

number line

0 70

Dissect it

10 x 7 = 10 x ☐ + 10 x ☐
= ☐ + ☐
= ☐

10 x 7 = 10 x ☐ + 10 x ☐
= ☐ + ☐
= ☐

10 x 7 = 10 x ☐ + 10 x ☐ + 10 x ☐
= ☐ + ☐ + ☐
= ☐

10 x 7 = 10 x ☐ + 10 x ☐
= ☐ + ☐
= ☐

If I know 10 x 7 = 70 then I also know...

☐ x ☐ = 70

70 = ☐ x ☐

70 = ☐ x ☐

☐ ÷ ☐ = ☐

☐ = ☐ ÷ ☐

__ multiplied by __ is __

__ groups of __ is __

__ is ten times bigger than __

__ shared equally between 10 is __ each

__ put into groups of 10 is __ groups of 10

__ is ten times smaller than __

10 = ☐ ÷ 7

70 = ☐ x 7

7 = ☐ ÷ 10

☐ x 10 = 70

70 ÷ 10 = 70
True or false?

70 bulbs are planted in ten equal rows. How many bulbs are there in **each** row?

Wayne jogs 10 km **each** day. How far does he jog in a week **in total**?

Ellie washes cars for £10 **each**. If she earns £70, how many cars has she washed?

Bags of carrots **each** weigh 10kg. How much do seven bags of carrots weigh **altogether**?

Derive it

Deepen it

Draw it

bar

60

array

groups

number line

0 60

Dissect it

10 x 6 = ☐ + ☐ + ☐ + ☐ + ☐ + ☐
= ☐

10 x 6 = 10 x ☐ + 10 x ☐
= ☐ + ☐
= ☐

10 x 6 = 10 x ☐ + 10 x ☐
= ☐ + ☐
= ☐

10 x 6 = 10 x ☐ + 10 x ☐
= ☐ + ☐
= ☐

If I know 10 x 6 = 60 then I also know...

☐ x ☐ = 60

60 = ☐ x ☐

60 = ☐ x ☐

☐ ÷ ☐ = ☐

☐ = ☐ ÷ ☐

__ multiplied by __ is __

__ groups of __ is __

__ is ten times bigger than __

__ shared equally between 10 is __ each

__ put into groups of 10 is __ groups of 10

__ is ten times smaller than __

10 = ☐ ÷ 6

60 = ☐ x 6

6 = ☐ ÷ 10

☐ x 10 = 60

10 ÷ 60 = 6
True or false?

60 lettuces are planted in ten equal rows. How many lettuces are there in **each** row?

Each flower has ten petals. How many petals are there on 6 flowers **in total**?

There are 6 eggs in **each** box. How many eggs are there in ten boxes **altogether**?

A hat has 60 stripes. There are ten stripes of **each** different colour. How many different colours are there?

Derive it

Deepen it

Draw it

bar

50

array

groups

number line

0 50

Dissect it

10 x 5 = ☐ + ☐ + ☐ + ☐ + ☐
= ☐

10 x 5 = 10 x ☐ + 10 x ☐
= ☐ + ☐
= ☐

10 x 5 = 10 x ☐ + 10 x ☐
= ☐ + ☐
= ☐

10 x 5 = 10 x ☐ + 10 x ☐
= ☐ + ☐
= ☐

10 5 50

If I know 10 x 5 = 50 then I also know...

☐ x ☐ = 50

50 = ☐ x ☐

50 = ☐ x ☐

☐ ÷ ☐ = ☐

☐ = ☐ ÷ ☐

__ multiplied by __ is __

__ groups of __ is __

__ is ten times bigger than __

__ shared equally between 10 is __ each

__ put into groups of 10 is __ groups of 10

__ is ten times smaller than __

10 = ☐ ÷ 5

50 = ☐ x 5

5 = ☐ ÷ 10

☐ x 10 = 50

True or false?
10 ÷ 50 = 50 ÷ 10

50 sides are drawn to make some ten sided shapes. How many shapes are drawn **in total?**

Wendy pays for her boots with five £10 notes. How much did she pay **altogether**?

There are five gingerbread men. **Each** one has 10 buttons. How many buttons are there **in total**?

50kg of potatoes are shared equally between ten bags. What does **each** bag weigh?

Derive it

Deepen it

Draw it

bar

40

array

groups

number line

0 40

Dissect it

10 x 4 = ☐ + ☐ + ☐ + ☐
= ☐

10 x 4 = 10 x ☐ + 10 x ☐
= ☐ + ☐
= ☐

10 x 4 = 10 x ☐ + 10 x ☐
= ☐ + ☐
= ☐

10 x 4 = 10 x ☐ + 10 x ☐
= ☐ + ☐
= ☐

10 4 40

If I know 10 x 4 = 40 then I also know...

☐ x ☐ = 40

40 = ☐ x ☐

40 = ☐ x ☐

☐ ÷ ☐ = ☐

☐ = ☐ ÷ ☐

__ multiplied by __ is __

__ groups of __ is __

__ is ten times bigger than __

__ shared equally between 10 is __ each

__ put into groups of 10 is __ groups of 10

__ is ten times smaller than __

10 = ☐ ÷ 4

40 = ☐ x 4

4 = ☐ ÷ 10

☐ x 10 = 40

True or false?
10 ÷ 40 = 4

Liam has saved £40. It is all in £10 notes. How many £10 notes has Liam got?

A farmer gathers his 40 sheep into ten pens. There are an equal number of sheep in each pen. How many sheep in **each** pen?

There are ten cars in a car park. **Each** car has 4 wheels. How many wheels are there **altogether**?

Circus tickets cost £10 **each**. How much do 4 tickets cost **in total**?

Derive it

Deepen it

Draw it

bar

30

array

groups

number line

0 30

If I know 10 x 3 = 30 then I also know...

□ x □ = 30

30 = □ x □

30 = □ x □

□ ÷ □ = □

□ = □ ÷ □

__ multiplied by __ is __

__ groups of __ is __

__ is ten times bigger than __

__ shared equally between 10 is __ each

__ put into groups of 10 is __ groups of 10

__ is ten times smaller than __

Derive it

10 3 30

Dissect it

10 x 3 = □ + □ + □

= □

10 x 3 = 10 x □ + 10 x □

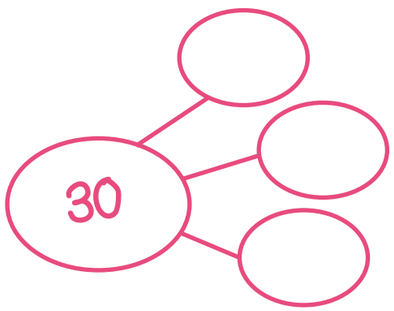
= □ + □

= □

10 x 3 = 10 x □ + 10 x □

= □ + □

= □



10 = □ ÷ 3

30 = □ x 3

3 = □ ÷ 10

□ x 10 = 30

True or false?

30 ÷ 10 = 3

Mason draws a triangle with **each** side 10cm long. What is the total length of all the sides?

Alex loses three 10p coins. How much money has he lost **altogether**?

30 girls get into ten equal groups. How many girls are there in **each** group?

Mia spends £30 on ten cakes. They cost the same amount each. How much did they **each** cost?

Deepen it

Draw it

bar

20

array

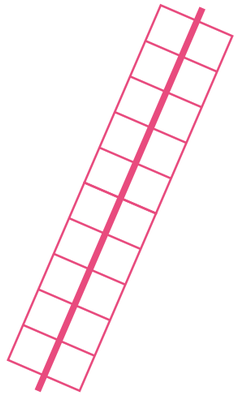
groups

number line

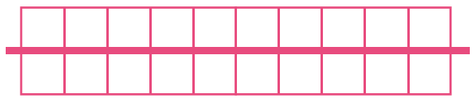
0 20

Dissect it

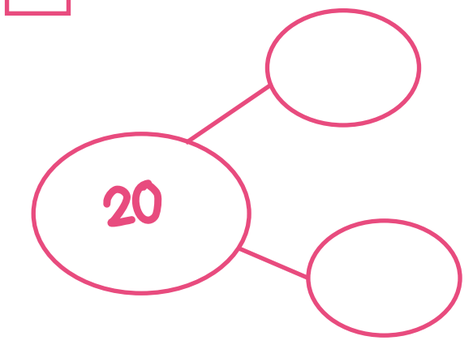
10 x 2 = ☐ + ☐
= ☐



10 x 2 = 10 x ☐ + 10 x ☐
= ☐ + ☐
= ☐



Double 10 = ☐



If I know 10 x 2 = 20 then I also know...

☐ x ☐ = 20

20 = ☐ x ☐

20 = ☐ x ☐

☐ ÷ ☐ = ☐

☐ = ☐ ÷ ☐

__ multiplied by __ is __

__ groups of __ is __

__ is ten times bigger than __

__ shared equally between 10 is __ each

__ put into groups of 10 is __ groups of 10

__ is ten times smaller than __

10 = ☐ ÷ 2

20 = ☐ x 2

2 = ☐ ÷ 10

☐ x 10 = 20

10 is double 20
True or false?

Ava spends 10 minutes reading her book. Olivia spends twice as long. For how long does Olivia read?

Maisie spends two 10p coins. How much does she spend **altogether**?

Ten equal bags of apples weigh a total of 20kg. How much does **each** bag weigh?

Jacob spends £20 on ten pens. They cost the same amount each. How much did they **each** cost?

Derive it

Deepen it