Multiples of Ten

I can explain how to multiply with multiples of ten using models, equations and clear explanations

LINGO

Commutative Property

Switching the numbers in a multiplication equation

Example:
2x4 is the same as 4x2

Distributive Property

To break up a number into its factors

Example:
Break up **50** into **10 x 5**

PRACTICE

Use the commutative property – Which equation has the same answer as 2 x 30 = 60?

Pssst! Switch which factor is x10 !

A 20 x 30 = 600

B 60 = 2 x 30

C 20 x 3 = 60

D Horses + Cows = Pigs

Use the distributive property – What can you break up 20 x 5 into?

Pssst! Break up the 20!

A (10 x 10) x 5
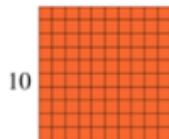
B (2 x 10) x 5

C (Rain + Bow) x Rainbow

D (5 x 1) x 20

Explain with Models
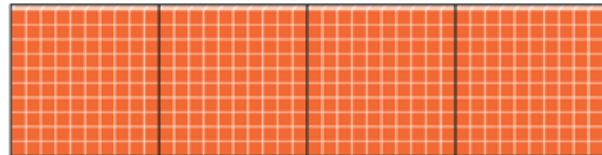
Show the numbers in a concrete form as evidence.

Make sure your model is accurate.

This model represents
10 x 10 = 100

10

10

This model represents
10 x 40 = 400

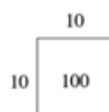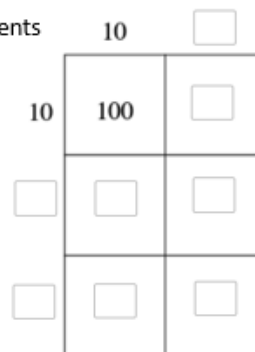# Explain with Models

Show the numbers in a concrete form as evidence.

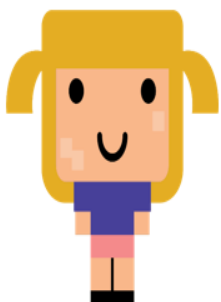Make sure your model is accurate.

This model represents
10 x 10 = 100

10

10   100

This model represents
30 x 20 = 600

10

10   100

Who can help me solve this?

Jack the cat, calculated 80 x 20 = 160. But he thinks the answer looks a bit too small. How can he check to see if he is correct?

The Zeroes Trick

I've got one last trick to show you that can make these large numbers SOOOOO much easier to work with.

40 x 3 = 120

700 x 2 = 1,400

400 x 60 = 24,000

800 x 900 = 720,000