Wednesday maths

Power Up

Complete the table.

×	5	3	10	9	12	7	6	8
5	25			45				40
50					600	350		
500		1,500	5,000				3,000	

Show your partner how you will use multiplying by 4 to help you multiply by 40 and by 400.

I am going to start with a different multiplication table.

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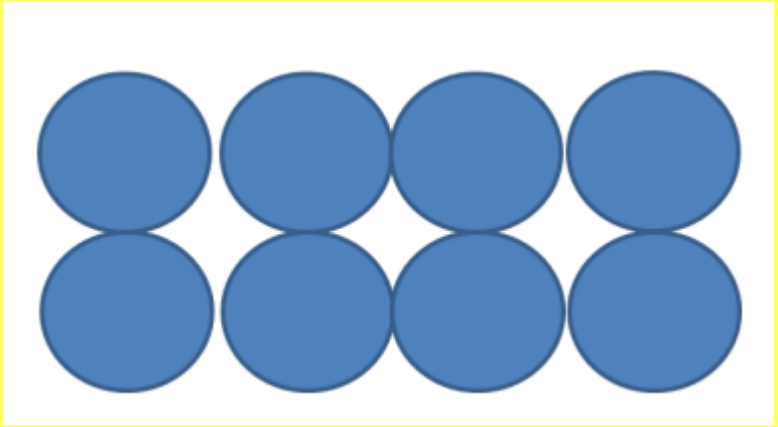

- What calculation does this represent?
- If you rearrange the counters, what calculations do they represent?
- What is the same?
- What is different?

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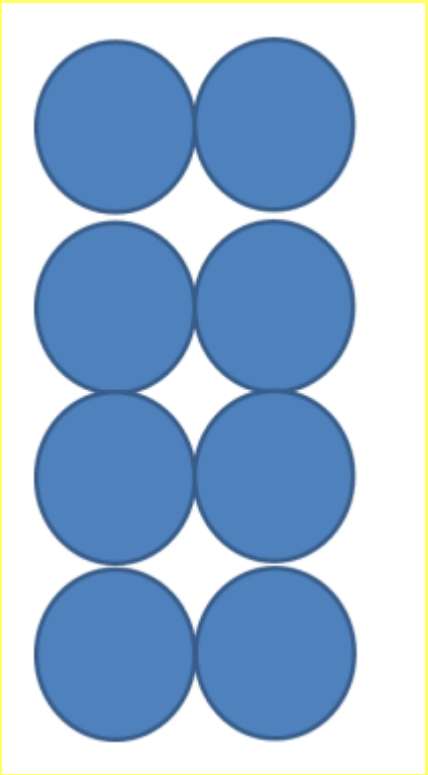
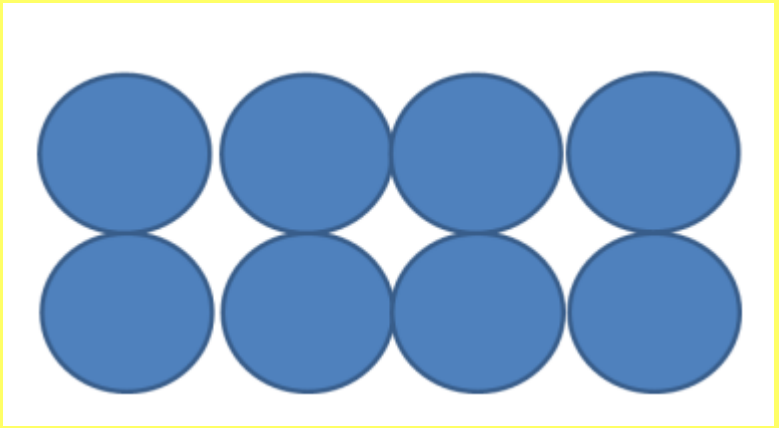




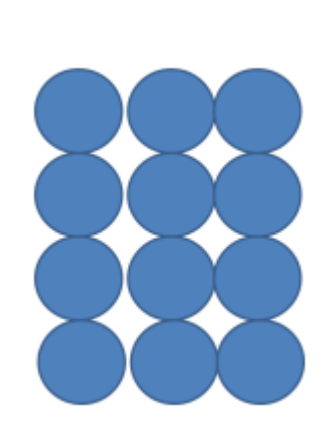
4 x 2 =8

2 x 4=8

The rows and columns change

The answer stays the same

LO: To multiply three numbers together



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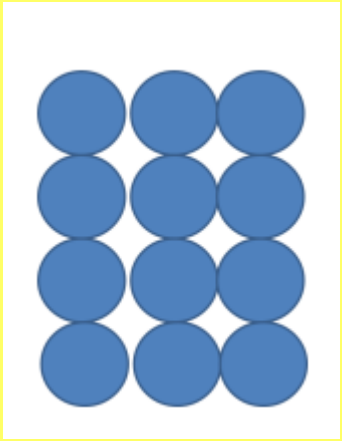
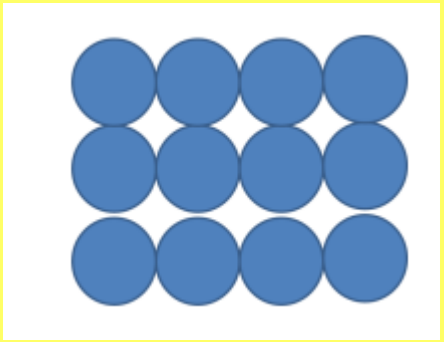




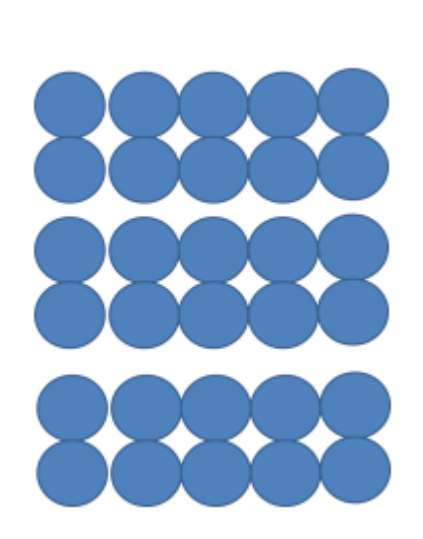
4 x 3=12

3 x 4=12

The rows and columns change

The answer stays the same

LO: To multiply three numbers together



This represents 3 lots of 5x2

LO: To multiply three numbers together

- I have 3 lots of 5 twice.
- How would we show this in a number sentence?
- 3 x 5 x 2
- 3 x (5 x 2) first calculate 5x2=10

  next calculate 3x10 =30

OR (3x5) x 2 first calculate 3x5=15

next calculate 15x2=30

Which way do you prefer?

LO: To multiply three numbers together

Success Criteria:

Re-order so that known facts can be used. (4x5)x5

Complete the first multiplication using 2 of the numbers (4x5=20)

Multiply the answer by the last number. (20x5=100)

Find the answer to the question

Fluency

	
I have _____ lots of _____ 4 times.	I have _____ lots of _____ 3 times.
_____ x _____ x _____	_____ x _____ x _____
_____ x 4	_____ x 3

	
I have _____ lots of _____ 5 times.	I have _____ lots of _____ 4 times.
_____ x _____ x _____	_____ x _____ x _____
_____ x 5	_____ x 4

Reasoning and Problem Solving

Reasoning and Problem Solving- Task 1

Julius the Egyptian has been looking at this calculation.

6 x 3 x 5 > 3 x 5 x 6

6 x 3 x 5 is larger because the first calculation starts with a 6 which is larger than the first number in the second calculation.

Do you agree with Julius? Explain why/ why not.

Reasoning and Problem Solving

Make the target number 84 by using three of the digits below.

7	5	3	4	6	2

_____ x _____ x _____ = 84