Wednesday 6th January

LO: To use the multiplication sign (x)

2 x tables

- 1 x 2 = 2
- 2 x 2 = 4
- 3 x 2 = 6
- 4 x 2 = 8
- 5 x 2 = 10
- 6 x 2 = 12
- 7 x 2 = 14
- 8 x 2 = 16
- 9 x 2 = 18
- 10 x 2 = 20
- 11 x 2 = 22
- 12 x 2 = 24

5 x tables

- 1 x 5 = 5
- 2 x 5 = 10
- 3 x 5 = 15
- 4 x 5 = 20
- 5 x 5 = 25
- 6 x 5 = 30
- 7 x 5 = 35
- 8 x 5 = 40
- 9 x 5 = 45
- 10 x 5 = 50
- 11 x 5 = 55
- 12 x 5 = 60

Arithmetic

1) 22 + 6 =
2) 23 – 5 =
3) 87 + 10 =
4) 10 less than 65 is _____
5) 10 more than 55 is _____
6) 10 + 10 + _____ = 30

Multiplication sentences using the × symbol

1 Complete the sentences.

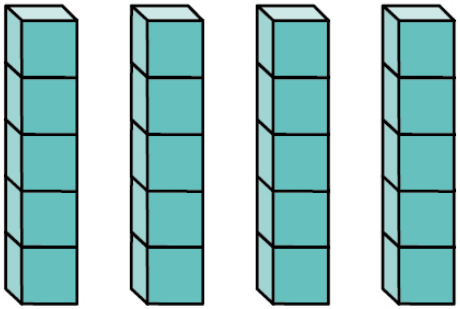
a)

There are ☐ equal groups with ☐ in each group.

☐ + ☐ + ☐ = 18

☐ × ☐ = 18

1 **b)**



There are ☐ equal groups with ☐ in each group.

☐ + ☐ + ☐ + ☐ = 20

☐ × ☐ = 20

1 c)

There are ☐ equal groups with ☐ in each group.

☐ + ☐ = 8

☐ × ☐ = 8

2 Complete the table.

The first one has been done for you.

Addition	Multiplication
2 + 2 + 2 + 2	4 × 2
5 + 5 + 5	
3 + 3 + 3 + 3 + 3	
	2 × 10

3 Complete the pattern.

$5 \times 2 = 5 + 5 =$ ☐

$5 \times 3 = 5 + 5 + 5 =$ ☐

$5 \times 4 = 5 + 5 + 5 + 5 =$ ☐

$5 \times 5 =$ _____ $=$ ☐

What comes next?

4 The total is 16

What could the addition and multiplication be?

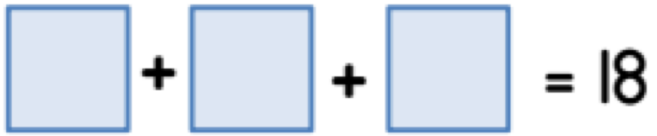
Your turn!

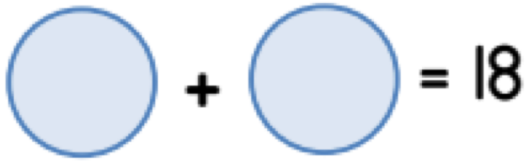
Turn these addition number sentences into sentences using the x symbol:

1) 2 + 2 + 2 + 2 =
2) 5 + 5 + 5 =
3) 3 + 3 + 3 + 3 + 3 =
4) 6 + 6 + 6 =
5) 2 + 2 + 2 + 2 + 2 =
6) 3 + 3 + 3 =
7) 10 + 10 + 10 + 10 =
8) 5 + 5 + 5 + 5 + 5 + 5 =

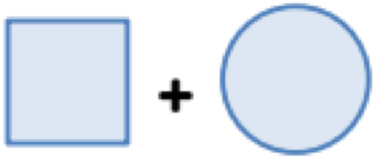
Challenge!

1 If





Work out



Thursday 7th January

LO: To understand what 'lots of' and 'multiplied' means

2 x tables

- 1 x 2 = 2
- 2 x 2 = 4
- 3 x 2 = 6
- 4 x 2 = 8
- 5 x 2 = 10
- 6 x 2 = 12
- 7 x 2 = 14
- 8 x 2 = 16
- 9 x 2 = 18
- 10 x 2 = 20
- 11 x 2 = 22
- 12 x 2 = 24

5 x tables

- 1 x 5 = 5
- 2 x 5 = 10
- 3 x 5 = 15
- 4 x 5 = 20
- 5 x 5 = 25
- 6 x 5 = 30
- 7 x 5 = 35
- 8 x 5 = 40
- 9 x 5 = 45
- 10 x 5 = 50
- 11 x 5 = 55
- 12 x 5 = 60

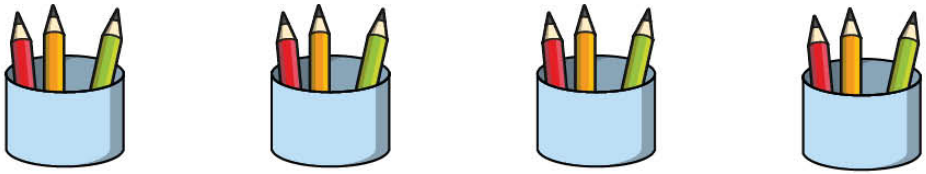
Arithmetic

- 1) 45 + 5 =
- 2) 34 – 9 =
- 3) 20 + 10 + 20 =
- 4) 22 + _____ = 32
- 5) 5 x 2 =
- 6) 10 x 5 =

Multiplication sentences from pictures

1 Complete the sentences to match the picture.

a)

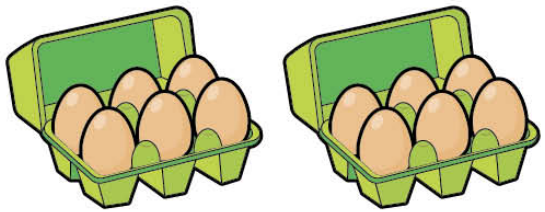


☐ lots of 3 = ☐

☐ multiplied by 3 = ☐

☐ × 3 = ☐

1 b)

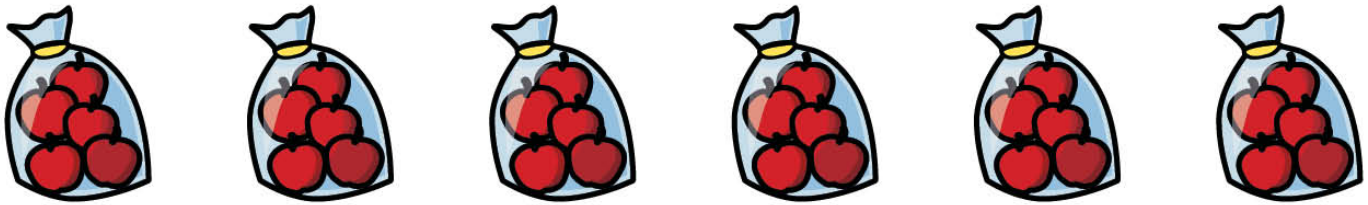


☐ lots of 6 = ☐

☐ multiplied by 6 = ☐

☐ × 6 = ☐

1 c)



☐ lots of ☐ = ☐

☐ multiplied by ☐ = ☐

☐ × ☐ = ☐

1 d)

☐ lots of ☐ = ☐

☐ multiplied by ☐ = ☐

☐ × ☐ = ☐

2 Draw a picture for each sentence.

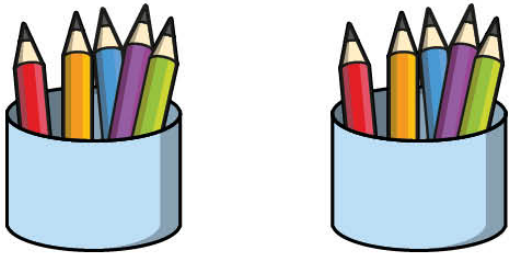
a) 4 lots of 5

b) 2 multiplied by 4

2 c) 3 × 5

3 Complete the sentences for each picture.

a)



☐ lots of ☐ = ☐

☐ × ☐ = ☐

3 b)

☐ lots of ☐ = ☐

☐ × ☐ = ☐

What is the same about the number sentences?

What is different?

4 **a)** The answer is 12

What could the multiplication be?

_____

Compare answers with a partner.

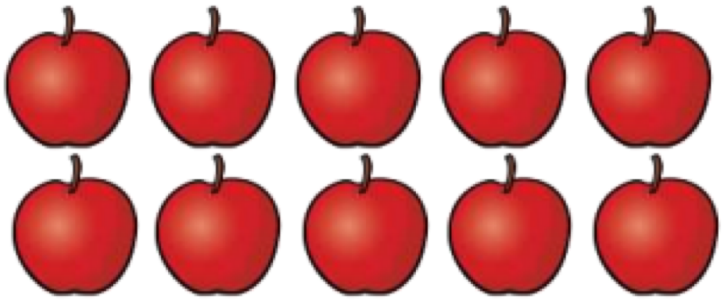
Your turn!

Draw the pictures and write the multiplication sentence underneath for these:

1) 2 multiplied by 5
2) 5 lots of 2
3) 4 multiplied by 2
4) 6 lots of 3
5) 3 multiplied by 2
6) 2 lots of 2
7) 8 multiplied by 5
8) 5 lots of 5

Challenge!

2 Here are some apples.



Class 2 are asked work out the total.

Here are four different ways they do it.

Fill in the missing blanks.

..... + ... = 10

..... + ... + ... + ... + ... = 10

..... × ..... = 10

..... × ..... = 10

Friday 8th January 2020

LO: To use arrays

2 x tables

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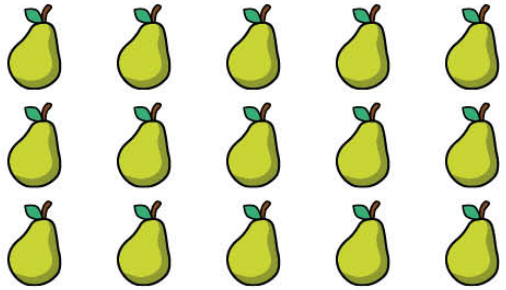
- 7 x 5 = 35
- 8 x 5 = 40
- 9 x 5 = 45
- 10 x 5 = 50
- 11 x 5 = 55
- 12 x 5 = 60

Arithmetic

- 1) 55 + 5 =
- 2) 65 – 3 =
- 3) One less than 25 is ____
- 4) ____ + 20 = 40
- 5) 10 x 10 x 10 =
- 6) 76 + ____ = 80

Use arrays

1 How many pears are there?



$\square + \square + \square = \square$

$\square \times \square = \square$

There are $\square$ pears.

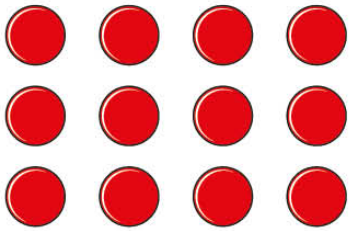
2 How many stars are there?

$\square + \square = \square$

$\square \times \square = \square$

There are $\square$ stars.

3 Write two additions and two multiplications for the array.



$\square + \square + \square = \square$

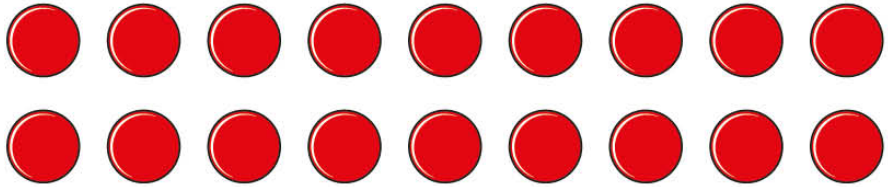
$\square \times \square = \square$

$\square + \square + \square + \square = \square$

$\square \times \square = \square$

What do you notice?

4 Write two multiplications for this array.



$\square \times \square = \square$

$\square \times \square = \square$

5 Draw an array to show 7 × 3

Complete the number sentence.

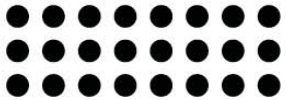
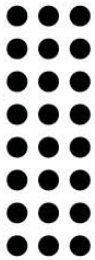
7 × 3 = ☐

Is there more than one way to draw the array?

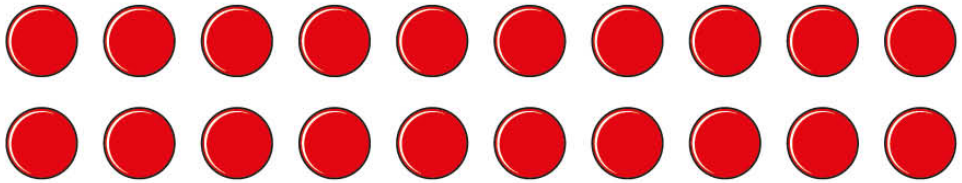
6 Draw three different arrays to show 12

7 Draw dots to show each multiplication in two ways.

The first one has been done for you.

Multiplication	Array 1	Array 2
3 × 8		
2 × 5		

8 Can you see the multiplications 5 × 4 and 4 × 5 in the array?



Talk about it with a partner.

Your turn!

- Draw the arrays for these number sentences and find the answer

1) 2 x 5 =
2) 5 x 5 =
3) 3 x 4 =
4) 10 x 2 =
5) 7 x 2 =
6) 5 x 4 =
7) 3 x 3 =
8) 8 x 2 =

Challenge!

2 Here are some digit cards.

Meg and Sam each use two of the cards to make a number.

What is the difference between their two numbers?

I have made the largest number you can make.

I have made the smallest number you can make.