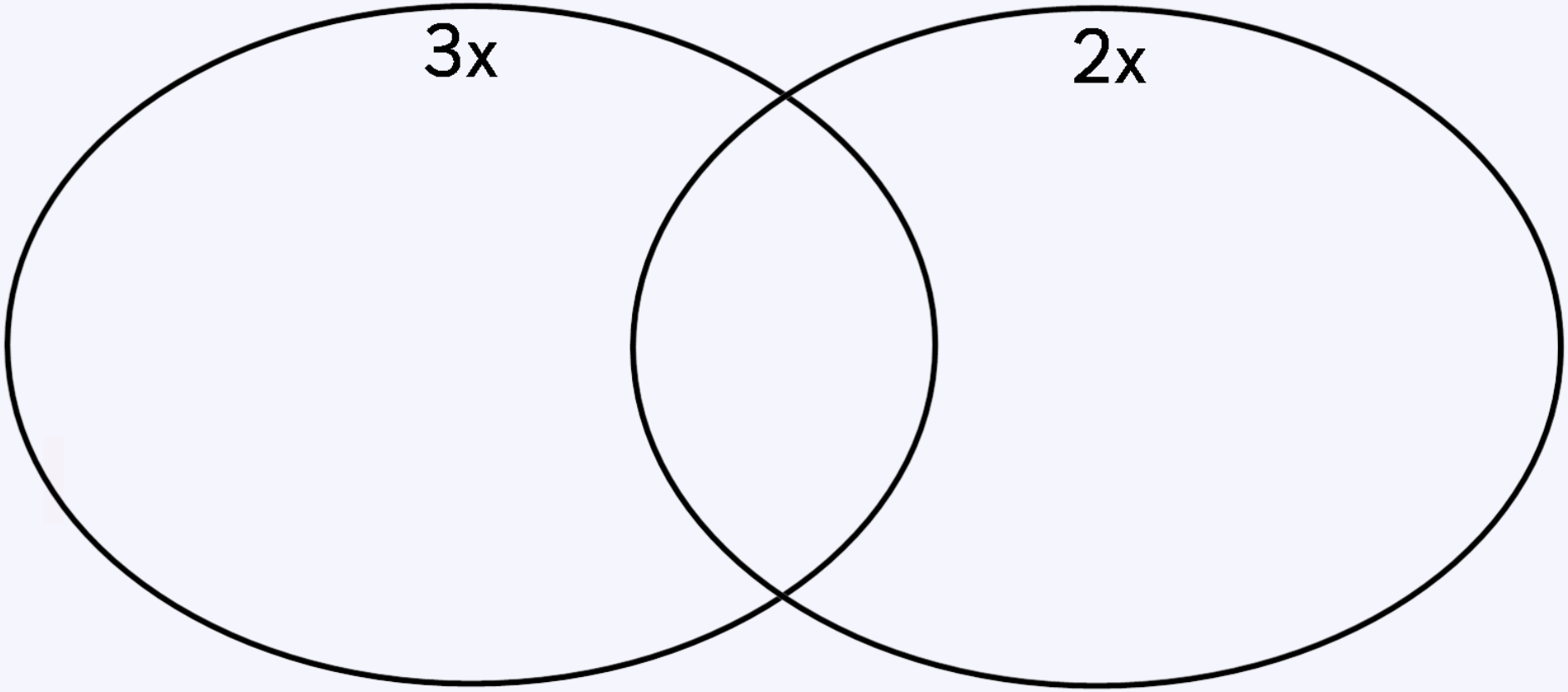
9.1.23 Making links between the 2, 4 and 8 times tables

I know the 2x, 4x and 8x tables are linked but I don't know how to show this. Prove it below

3 15 16 28 33 21 31



10.1.23 The 3x table

'Fill in the missing numbers.'

0	3	6	9	12							

36	33	30									

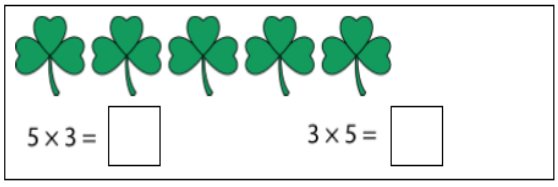
0 x 3		*6 x 3*	
1 x 3			*21*
	6	*8 x 3*	
3 x 3		*9 x 3*	
4 x 3			*30*
	15	*11 x 3*	

□ x □ = □

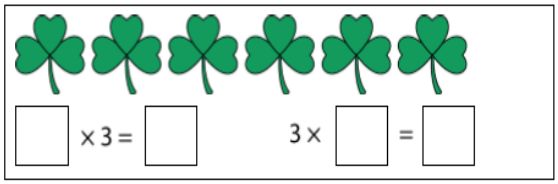
□ x □ = □

□ x □ = □

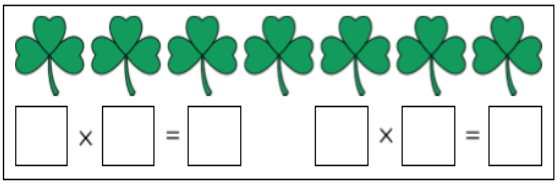
□ x □ = □



5 × 3 = □ 3 × 5 = □



□ × 3 = □ 3 × □ = □



□ × □ = □ □ × □ = □

3 × | 1 | 3 | 5 | 7 | 9 | 11 | = | □ | □ | □ | □ | □ | □

0	2	4	6	8	10	12	× 3 =	□	□	□	□	□	□	□

10.1.23 The 3x table **CHALLENGE**

Representing multiplication facts:

'Eloise wrote this in her book'

This shows 4 × 3 = 12

'Draw a picture like this to show:'

7 × 3 = 21

Scott has 3 times as much money as Kim.

Kim has 3 times as much money as Amir.

Kim has £12

How much money do Scott and Amir each have?

Independent journal:

□ X 3 > 5 X □

Write as many possibilities you can in your book below.

11.1.23 The 6x table

'Fill in the missing numbers.'

0	6	12	18	24							

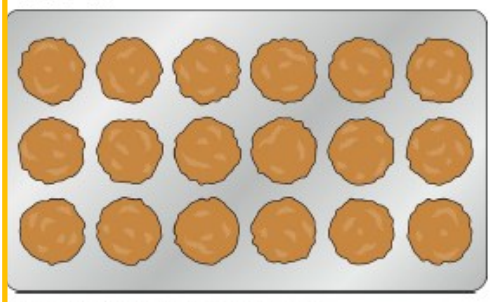
0 x 6		6 x 6	
1 x 6			42
	12	8 x 6	
3 x 6		9 x 6	
4 x 6			30
	30	11 x 6	

Look at the bugs. Can you fill in the missing numbers—how many legs are on 3 bugs?

Number of bugs 	0	1		3	4		6	
Total number of legs 		6	12		24	30		42

'The tray of biscuits represents:'

3×6=18



'Draw a picture like this to represent:'

7×6=42

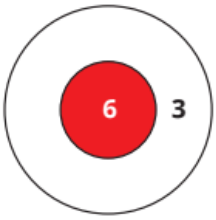
11.1.23 The 6x table **CHALLENGE**

Nijah is throwing bean bags at a target.

Nijah scores 24 points in total.

How many bean bags could Nijah have thrown in each section?

Compare answers with a partner.



Is the statement true or false?

All multiples of 3 are multiples of 6

Explain your answer.

Journal this in your book

12.1.23 The 9x table

Complete the number track.

9	18	27							

$9 \times 8 =$

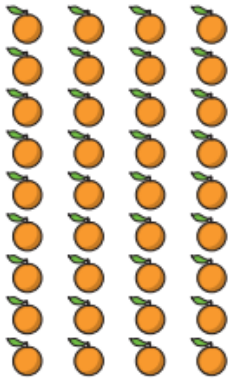
$9 \times 80 =$

$9 \times 800 =$

$90 \times 8 =$

$900 \times 8 =$

Complete the sentences to describe the oranges.



- There are _____ rows of 4 oranges.

  There are _____ oranges in total.

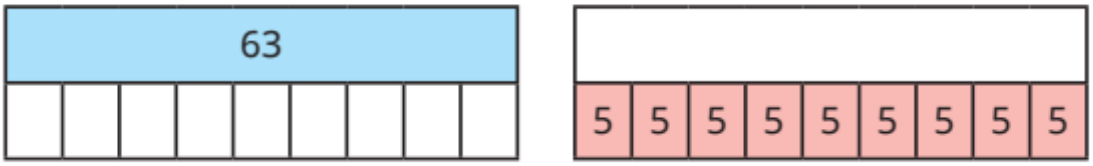
  _____ × _____ = _____

- The oranges are shared into 9 boxes.

  There are _____ oranges in each box.

  _____ ÷ _____ = _____

Complete the bar models.



Tommy packs 72 eggs into boxes.

Each box contains 9 eggs.

How many boxes does he need?

The 9x table **CHALLENGE**

Here are some multiples of 9

36	45	279	459	981	108

Find the digit sum of each number.

What do you notice?

Use what you have learnt about adding the digits together to find out which of these numbers are multiples of 9

477	418	393
999	396	576

The 9x table **CHALLENGE**

Here are some multiples of 9

36	45	279	459	981	108

Find the digit sum of each number.

What do you notice?

Use what you have learnt about adding the digits together to find out which of these numbers are multiples of 9

477	418	393
999	396	576