

Mathematics

# Division Worksheet

Mrs Buckmire



# Try this

Write each of the numbers in the **blue row** as:  $3 \times \square$

Write each of the numbers in the **red row** as:  $-2 \times \square$

Write each of the other rows as a multiple of an integer.

-9	-6	-3	0	3	6	9
-3	-4	-2	0	2	4	6
-3	-2	-1	0	1	2	3
0	0	0	0	0	0	0
3	2	1	0	-1	-2	-3
6	4	2	0	-2	-4	-6
9	6	3	0	-3	-6	-9

<-Blue row

<-Red row

Return to the video once completed



# Connect

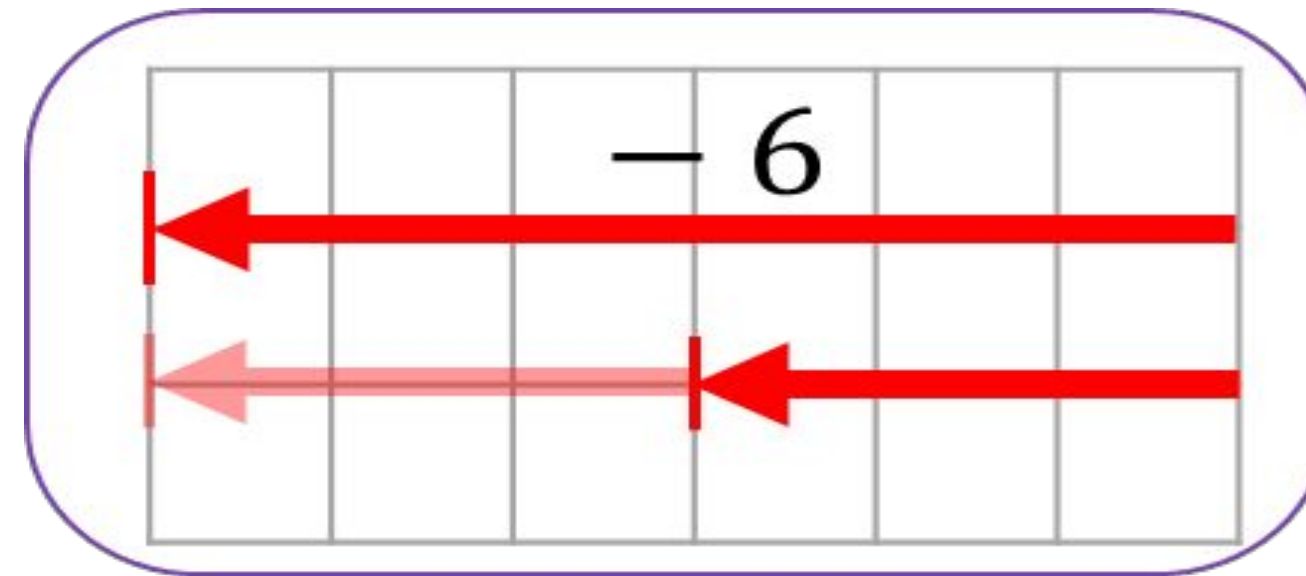
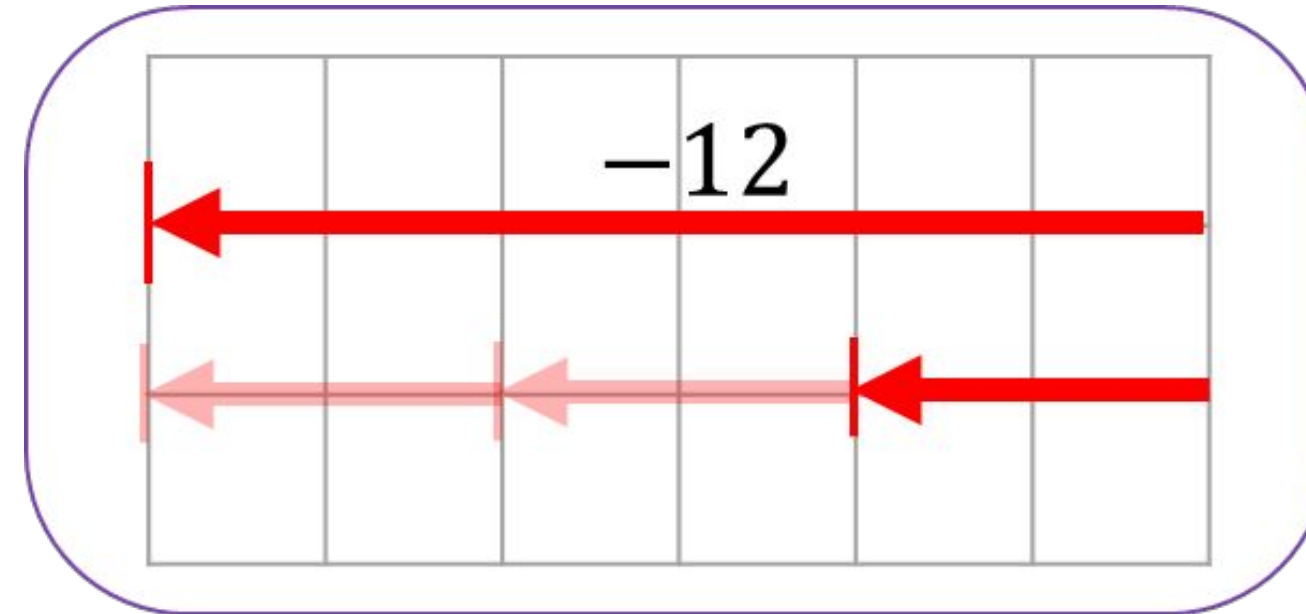
These calculations can be connected to this image:

$$3 \times (-4) = -12$$

$$(-12) \div 3 = -4$$

$$\frac{1}{3} \times (-12) = -4$$

$$\frac{-12}{3} = -4$$



Write a similar set of four calculations  
this image:

Return to the  
video once  
completed



# Independent task (page 1)

1. Copy and complete the related calculations

A  $-4 \times 2 = \square$

$-8 \times \square = -4$

$-8 \div \square = -4$

B  $-3 \times \square = -9$

$\frac{1}{3} \times \square = -3$

$-9 \div 3 = \square$

C  $5 \times -1 = -5$

$-5 \times \square = -1$

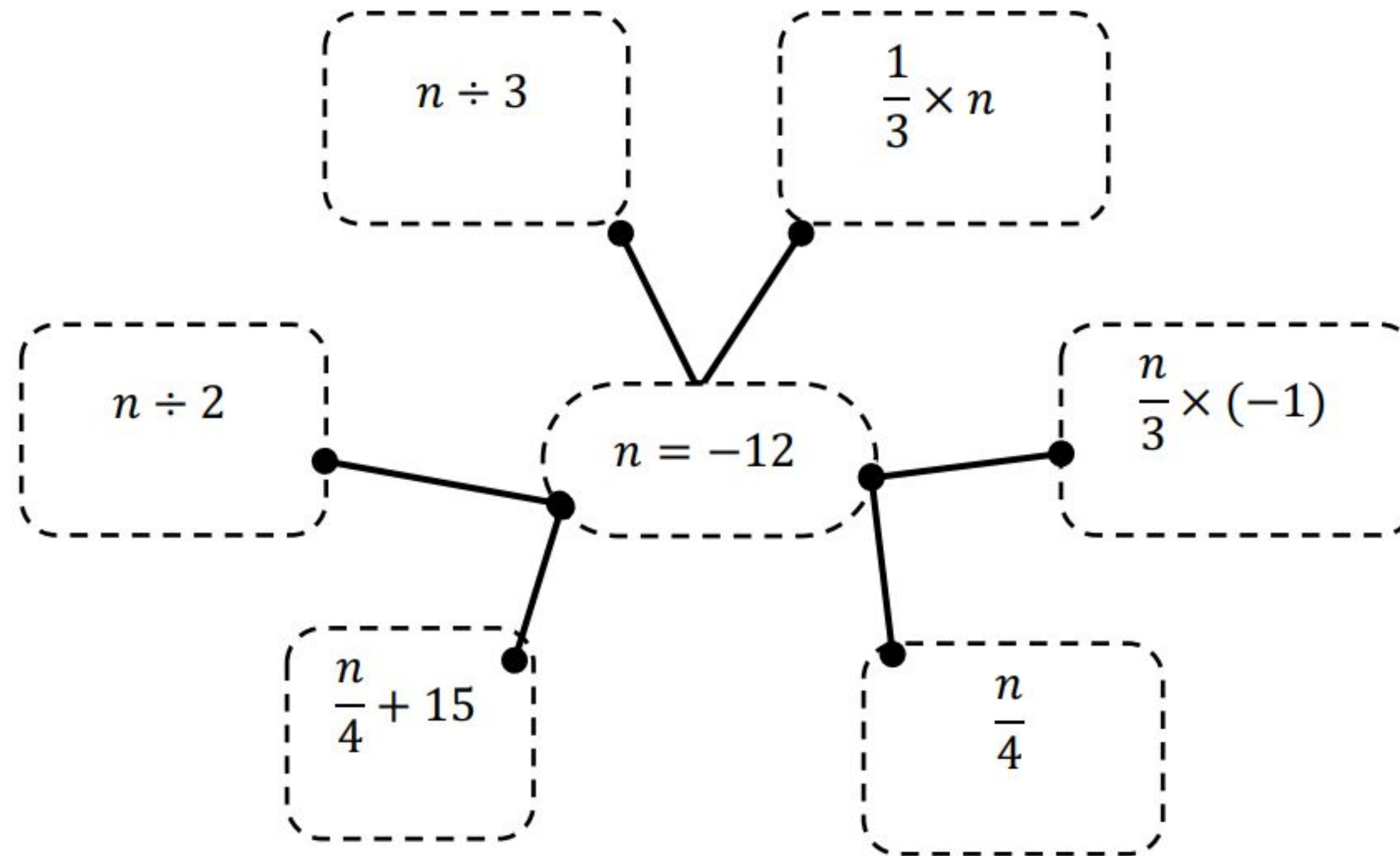
$\square \div 5 = \square$

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## Independent task (page 2)

2. Evaluate each of the expressions below with the value of  $n$  at the centre of the network



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# Explore

Consider each of the following statements.  
Decide for each if they are always, sometimes or never true.

Here  $b$  represents **any number**.

$$b \div 3 = \frac{1}{3} \times b$$

$$\frac{b}{10} < 0$$

$$\frac{b}{2} > b$$

Return to the  
video once  
completed

