

Mathematics

# Further Multiplication Worksheet

Mrs Buckmire



## Try this

Use the four of the five number cards to fill the spaces.

$$\begin{array}{ccccc} \boxed{-1} & \boxed{-2} & \boxed{0} & \boxed{2} & \boxed{1} \\ \\ \boxed{\phantom{00}} \times \boxed{3} + \boxed{\phantom{00}} \times \boxed{3} \end{array}$$

What is the greatest value you can calculate?

What is the least value you can calculate?

What other possibilities are there?

Return to the  
video once  
completed



# Connect

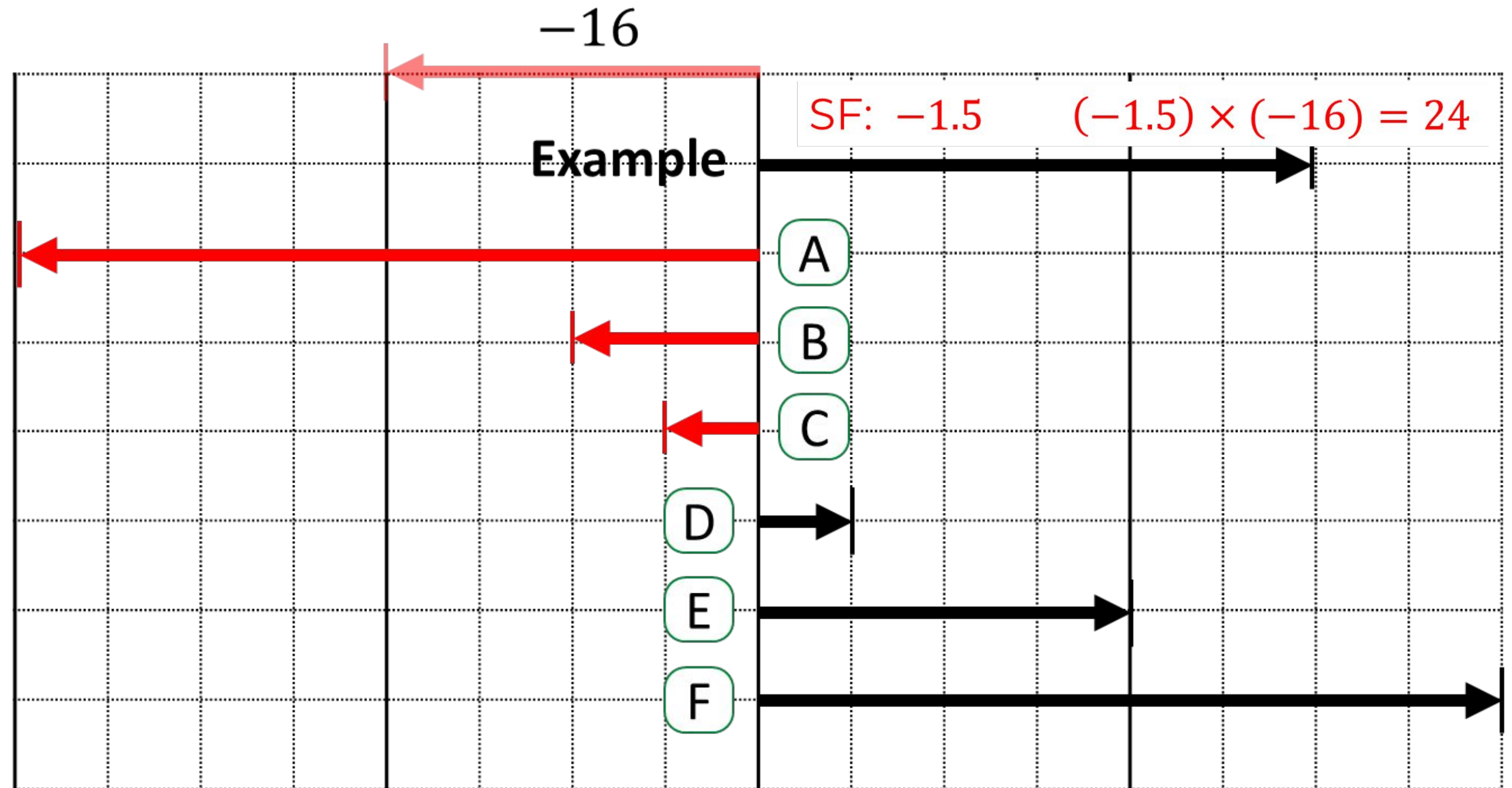
Each of these arrows can be connected to -16 using a **scale factor**.

## For the example :

The scale factor is  $-1.5$   
and  $(-1.5) \times (-16) = 24$

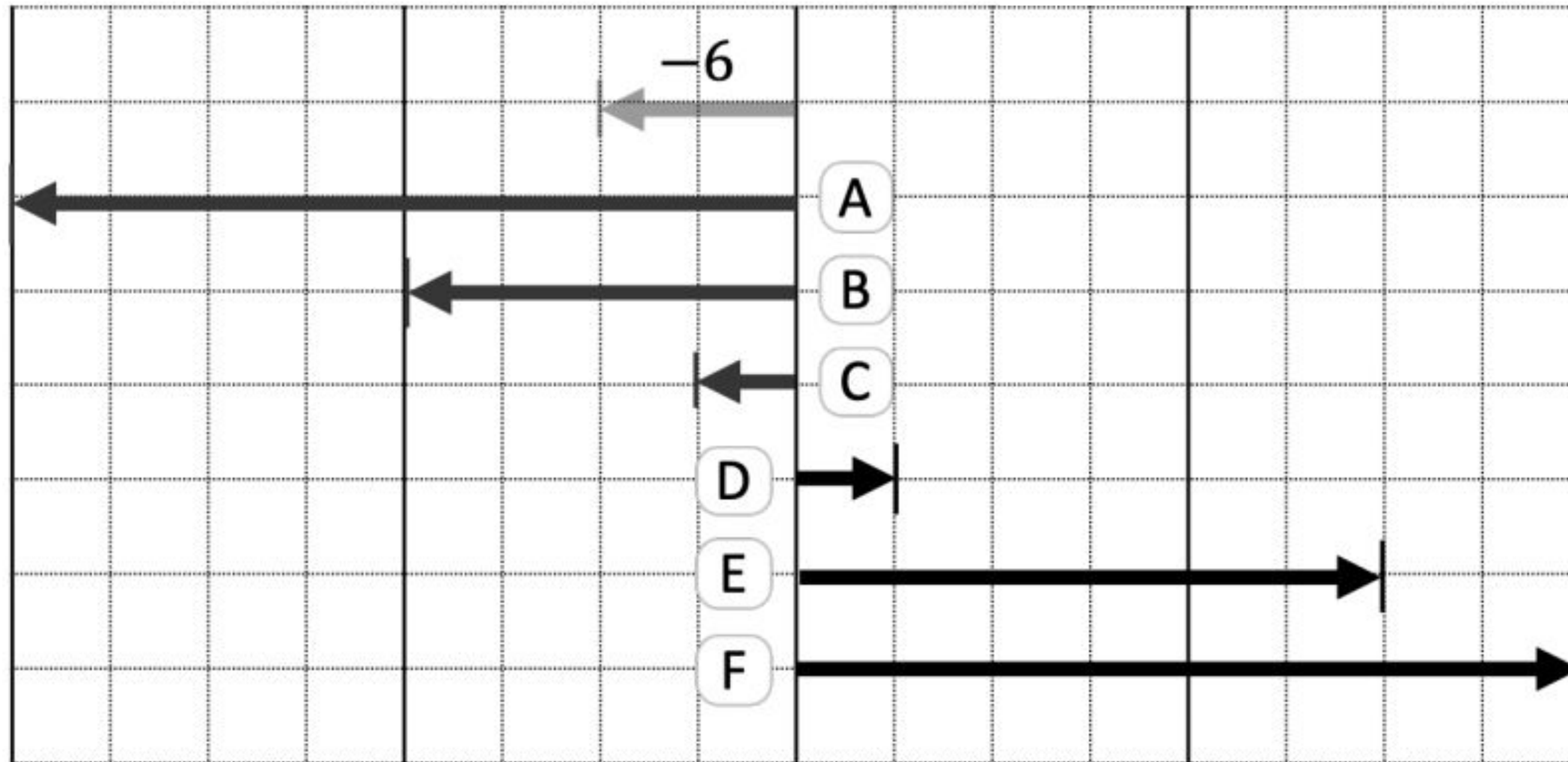
Describe a similar  
calculation for A-F  
and state the scale  
factor.

Return to the  
video once  
completed



# Independent task (page 1)

1. For each representation complete the calculation:  $\square \times -6 = \square$  and state the scale factor.



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# Independent task (page 2)

2. Copy and complete the multiplication table. What do you notice?

×	−3	−2	−1	0	1	2	3
3							
2							
1							
0							
−1							
−2							
−3							

Return to the video once completed



# Explore

Each of these arrows can be connected to  $n$  using a **scale factor**.

## For the example:

The scale factor is  $-2$   
and  $(-2) \times n$

Write a similar  
calculation for A-F  
and state the scale  
factor.

Return to the  
video once  
completed

