Mathematics

Multiplication as Scaling Worksheet

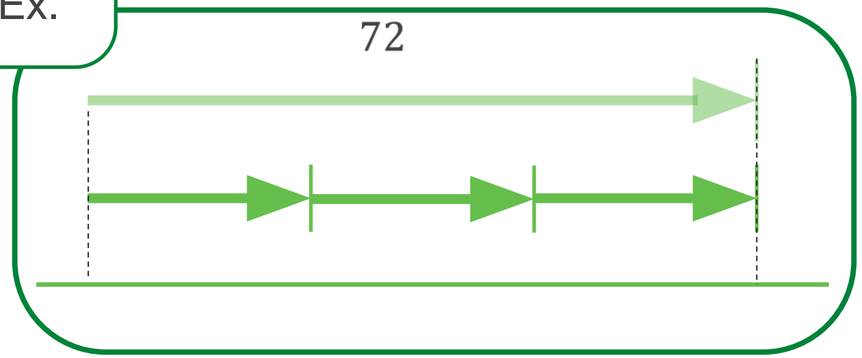
Mrs Buckmire

Try this

Write a calculation for each number line.

For the example:

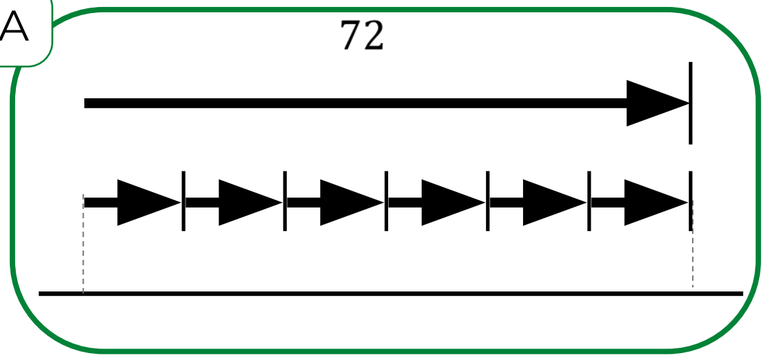
Ex.



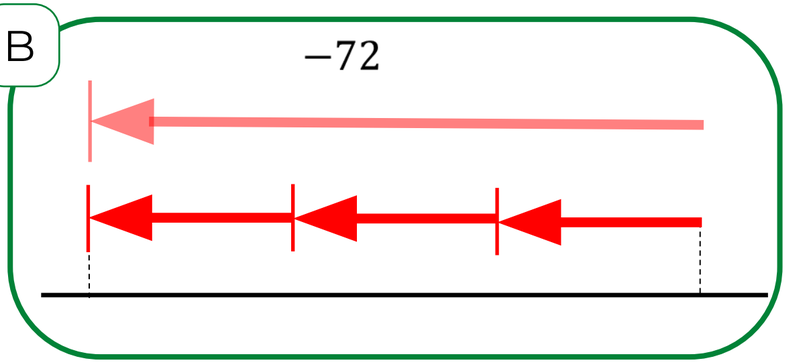
$24 + 24 + 24 = 72$

$3 \times 24 = 72$

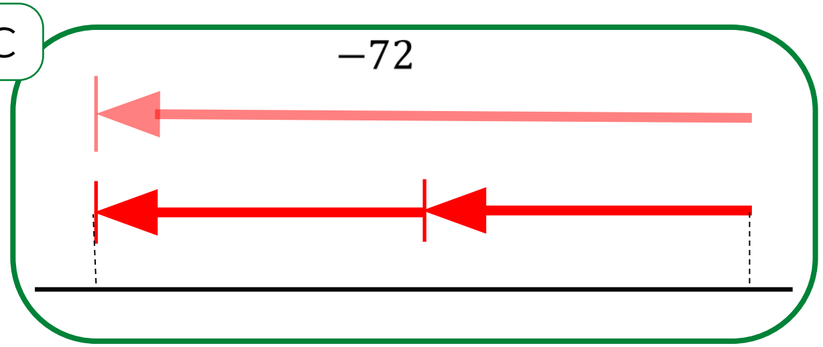
A



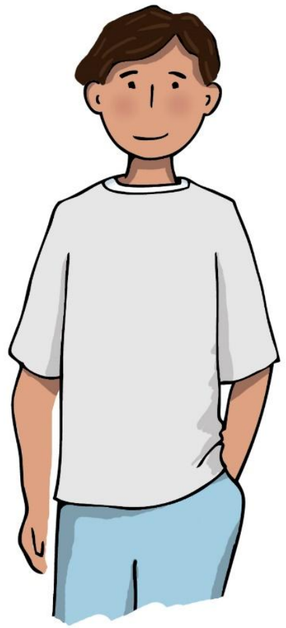
B



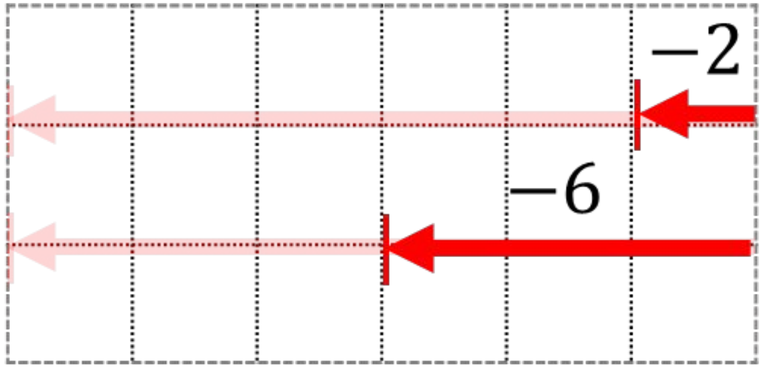
C



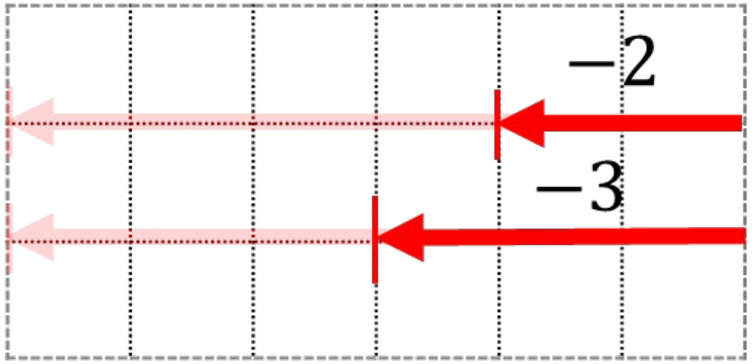
Connect



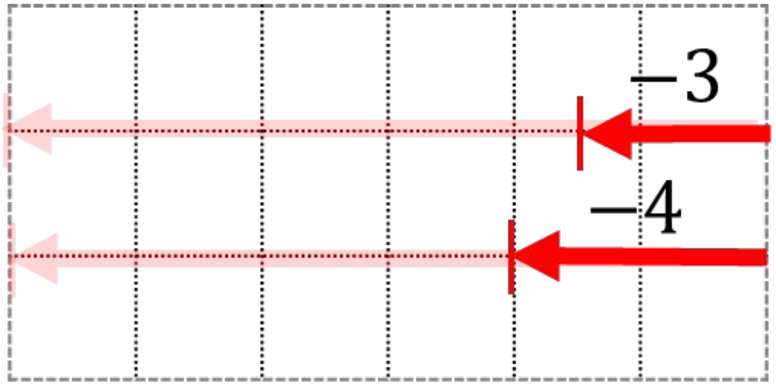
$6 \times (-2) = 2 \times (-6)$



$3 \times (-2) = 2 \times (-3)$

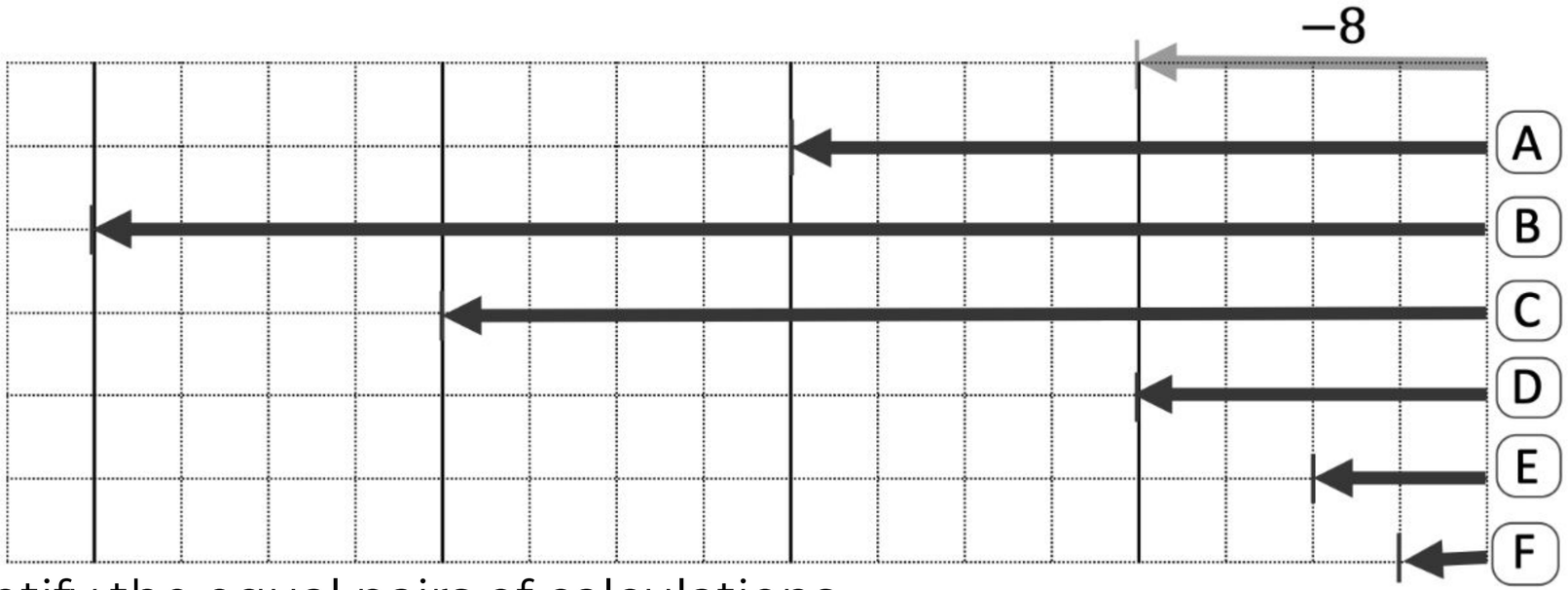


Your go!



Independent task

1. For each representation complete the calculatio $\square \times -8 = \square$ and state the scale factor.



2. Identify the equal pairs of calculations

a) 6 x (-5) b) 6 x (-8) c) (-1) x 10 d) 6 x (-10) e) 2 x (-5)

f) 8 x (-6) g) 5 x (-6) h) 15 x (-4)

Explore

Generate examples of n where:

a) $3 \times n < 2 \times n$

b) $3 \times n > 2 \times n - 1$

c) $2 \times n - 1 < 3 \times n < 2 \times n$