White Rose Maths

Year 3 - Autumn - Block 3

Multiplication & Division

Jack calculates 8×6 by doing
5×6 and 3×6 and adding them.

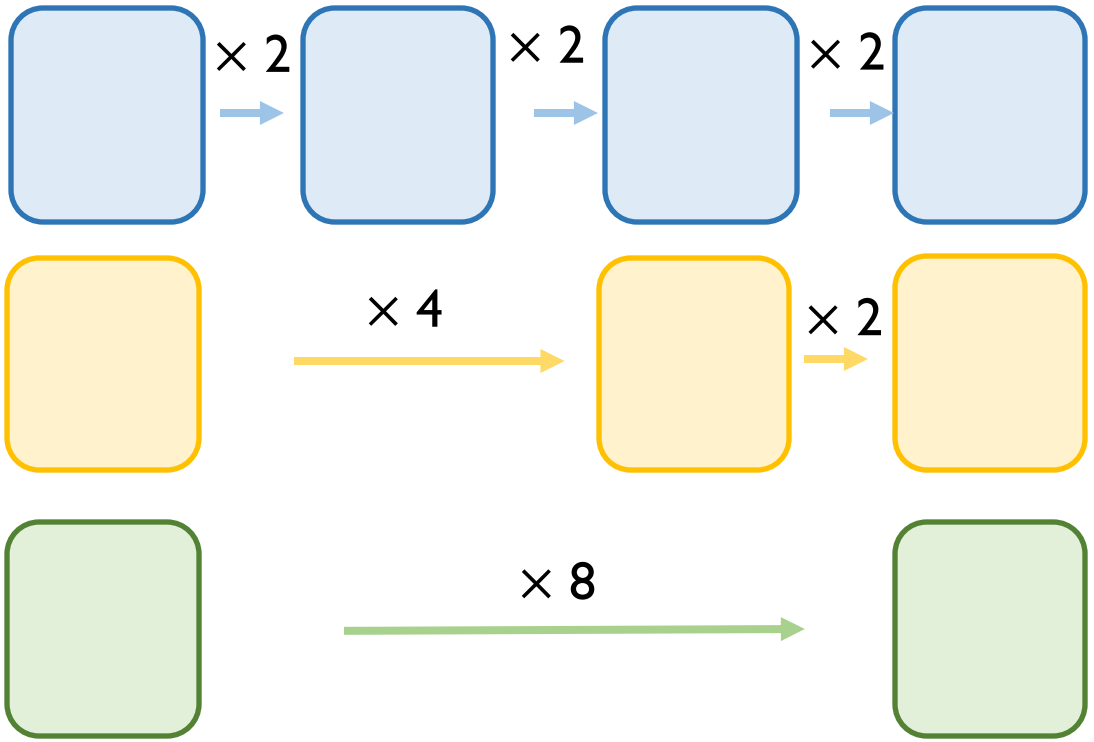
____ + ____ = ____

Ron calculates 8×6 by doing
$4 \times 6 \times 2$

____ $\times 2 =$ ____

Whose method do you prefer?
Explain why.

Start each function machine with the same number.



What do you notice about each final answer?

Tommy knows the 4 times table table, but is still learning the 8 times table table.

Which colour row should he use? Why?

$48 \div 2 = \_\_\_\_$

$48 \div 4 = \_\_\_\_$

$48 \div 8 = \_\_\_\_$

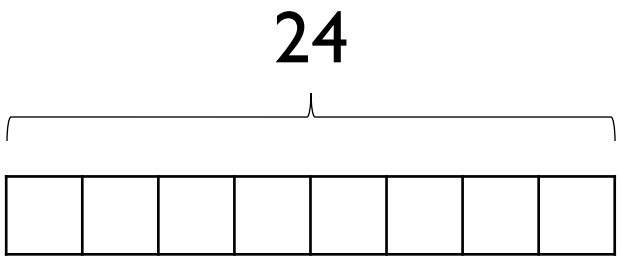
What do you notice about the answers to these questions?

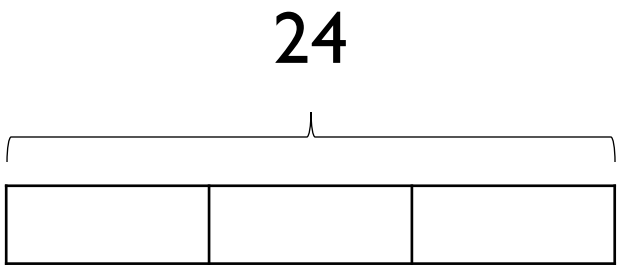
Can you predict what $48 \div 16$ would be?

Which numbers can be divided by 8 without a remainder?

64	32	800
18	200	42

Amir shares 24 sweets equally between 8 friends.
How many do they get each?
Which bar model would you use to represent this problem? Why?





All the numbers in the 8 times table are even.

Explain why

On a blank hundred square, colour multiples of 8 red and multiples of 4 blue.

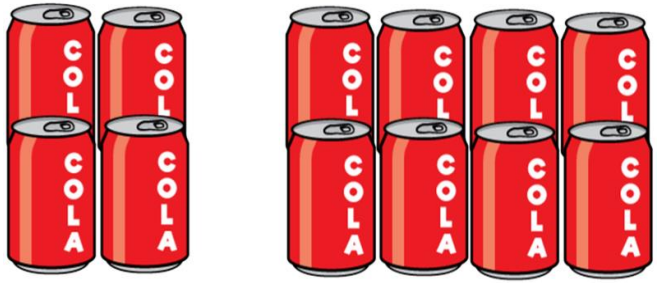
Always, Sometimes, Never

- Multiples of 4 are also multiples of 8

- Multiples of 8 are also multiples of 4

Rosie has some packs of cola which are in a box.

Some packs have 4 cans in them, and some packs have 8 cans in them.



Rosie's box contains 64 cans of pop.

How many packs of 4 cans and how many packs of 8 cans could there be?

Find all the possibilities.