

White

**Rose
Maths**

Year 3 - Autumn - Block 3

Multiplication & Division



All the numbers in the 8 times table are even.

Explain why

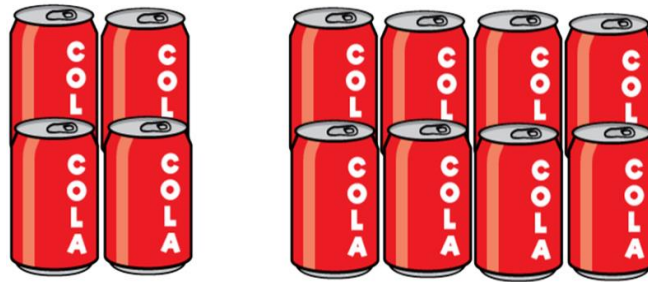
On a blank hundred square, colour multiples of 8 red and multiples of 4 blue.

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.

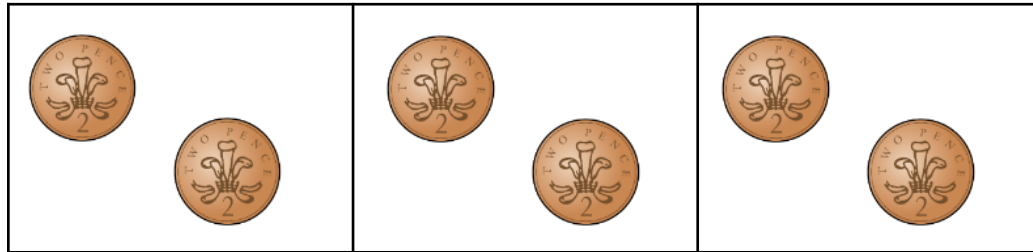
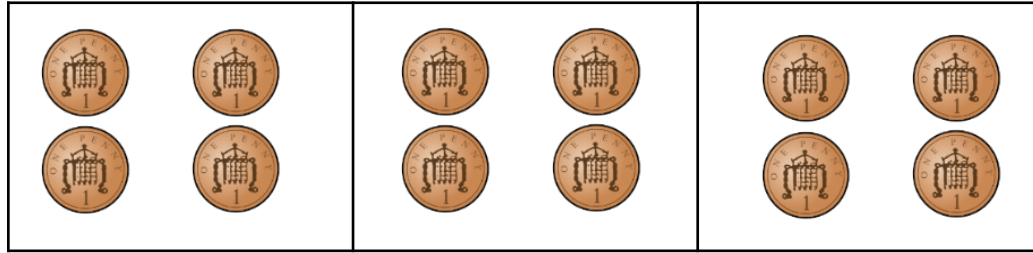


Rosie's box contains 64 cans of pop.

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

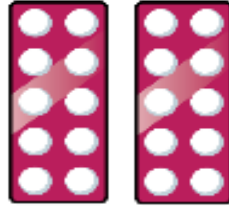
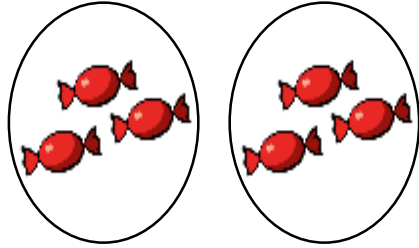
Find all the possibilities.

Which row of money is the odd one out?

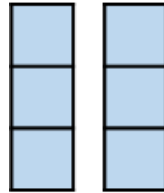


Explain why.

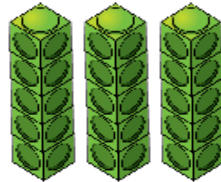
Match the equal groups together.



Three 5s



Two 10s



Two 3s

There are 8 children.
Each child has 3 sweets.
How many sweets altogether?

Use concrete or pictorial representations to show this problem.

Write another repeated addition and multiplication problem and ask a friend to represent it.

If $5 \times 3 = 15$, which number sentences would find the answer to 6×3 ?

- $5 \times 3 + 6$
- $5 \times 3 + 3$
- $15 + 3$
- $15 + 6$
- 3×6

Explain how you know.

Share 33 cubes between 3 groups.

Complete:

There are 3 groups with _____ cubes in each group.

$$33 \div 3 = \underline{\hspace{2cm}}$$

Put 33 cubes into groups of 3

Complete:

There are _____ groups with 3 cubes in each group.

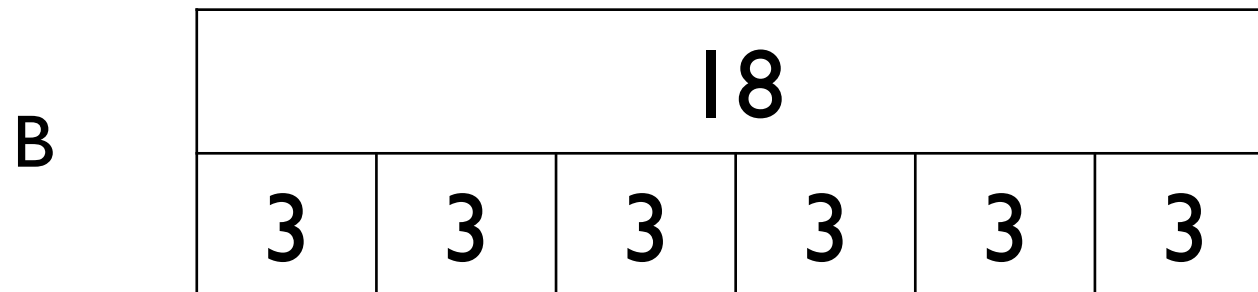
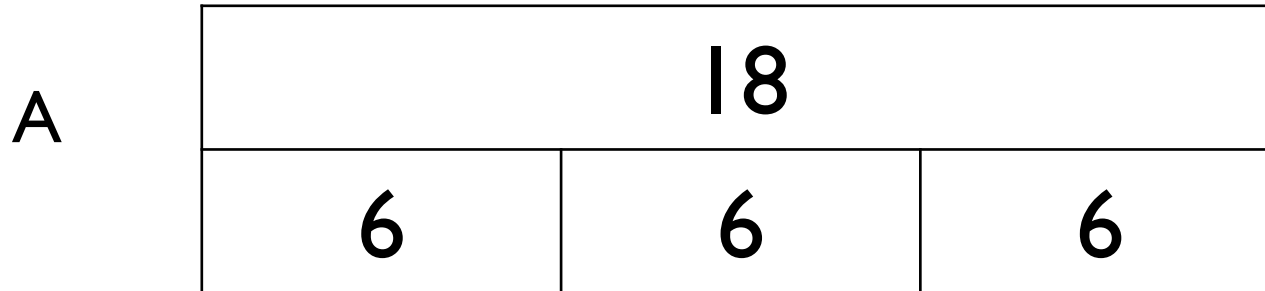
$$33 \div 3 = \underline{\hspace{2cm}}$$

What is the same about these two divisions?

What is different?

Jack has 18 seeds.
He plants 3 seeds in each pot.

Which bar model matches the problem?



Explain your choice.

Sort the cards below so they follow round in a loop.

Start at $18 - 3$

Calculate the answer to this calculation.

The next card needs to be begin with this answer.

18 - 3	21 ÷ 3	15 ÷ 3	8 - 5
5 × 2	10 × 2	20 + 1	4 × 2
14 - 2	12 ÷ 3	3 × 6	7 × 2

Start this rhythm:

Clap, clap, click, clap, clap, click.

Carry on the rhythm, what will you do on the 15th beat?

How do you know?

What will you be doing on the 20th beat?

Explain your answer.