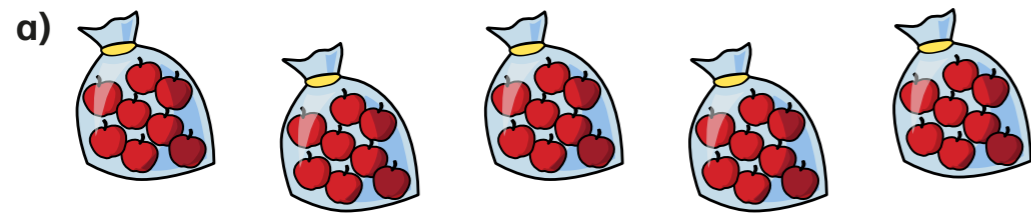


Multiply by 8

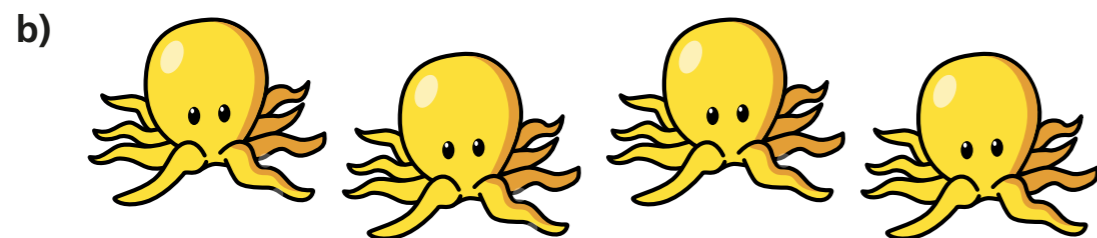
1 Complete the sentences.



There are bags of apples.

There are apples in each bag.

There are apples in total.

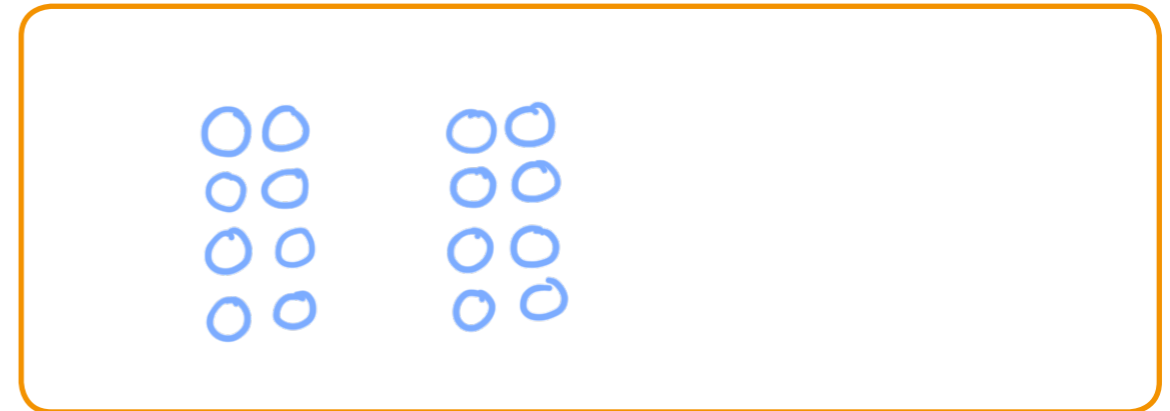


There are octopuses.

There are arms on each octopus.

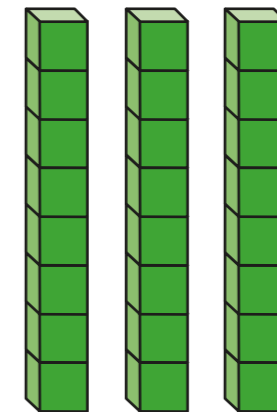
There are arms in total.

2 Use counters to represent 2×8
Draw your representation.



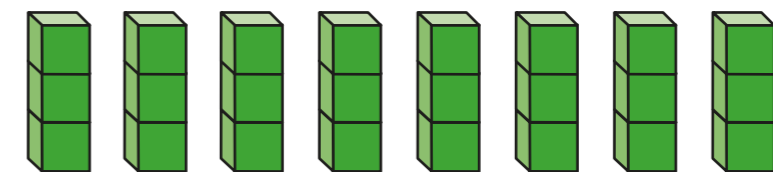
3 Work out how many cubes there are in total.
Complete the multiplication sentences.

a)



$$\boxed{3} \times \boxed{8} = \boxed{24}$$

b)

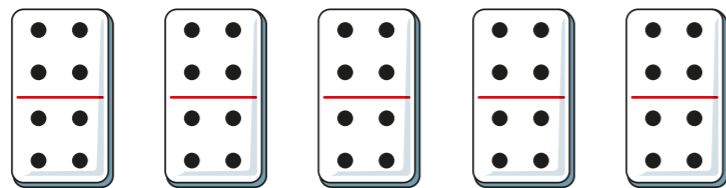


$$\boxed{8} \times \boxed{3} = \boxed{24}$$

What is the same about your answers? What is different?



4 How many dots are there in total?



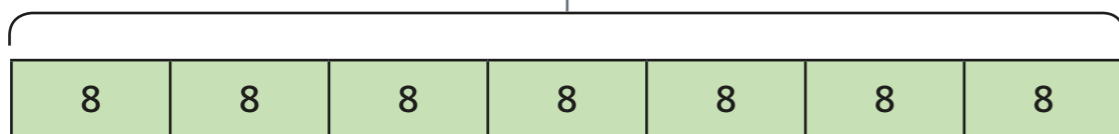
$$\boxed{5} \times \boxed{8} = \boxed{40}$$

How many different ways can you work this out?

e.g. $8+8+8+8+8=40$
 $10 \times 4 = 40$

5

56

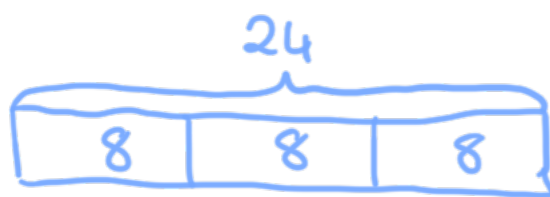


a) What multiplication is represented by the bar model?

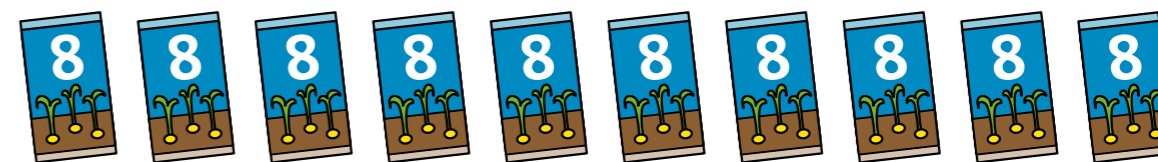
$$\boxed{7} \times \boxed{8}$$

b) Label the bar model with the whole.

c) Draw a bar model to represent 3×8



6 Whitney has 10 packets of seeds.



a) How many seeds does Whitney have in total?

80

b) Ron has 4 fewer packets than Whitney.
How many seeds does he have?

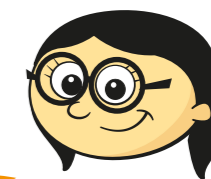
48

7 Jack and Annie are practising their 8 times-table.



Jack

To multiply any number by 8, you can multiply it by 4 and then double it.



Annie

To multiply any number by 8, you can double the number 3 times.

a) Who do you agree with? Both

Talk about it with a partner.

b) Use both methods to work out these multiplications.

$$8 \times 4 = \boxed{32}$$

$$8 \times 9 = \boxed{72}$$

$$11 \times 8 = \boxed{88}$$