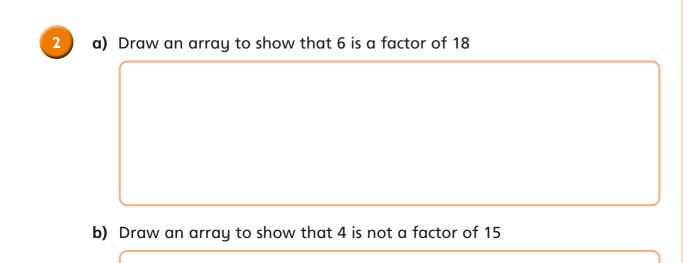


Identify factors of numbers and expressions

Use the arrays of 20 counters to find all the factors of 20
Factors of 20:



Did you draw the same arrays as a partner?



Use a word from the list to complete the sentences.

factor half triple multiple

- a) 8 is a _____ of 4
- **b)** 3 is a _____ of 9
- c) 10 is a _____ of 10
- Write a number in each empty box of the two-way table.

	Multiple of 4	Not a multiple of 4
Factor of 60		
Not a factor of 60		

Are there any boxes that could have more than one number?

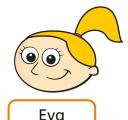
Mo has found the factors of a number.



Some of the factors of my number are 2, 3, and 8

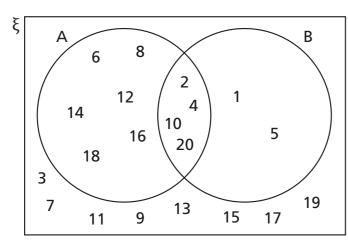
Мо

Mo's number must be 48, as 2 × 3 × 8 = 48



Is Eva correct? _____ How do you know?

The numbers 1 to 20 are placed on the Venn diagram.

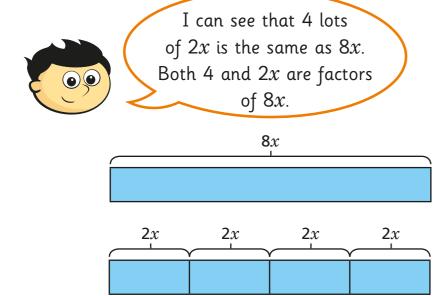


What could each circle in the diagram represent?

A could represent the _____

B could represent the _____

7 Jack uses a bar model to represent 8x.



Find two more factors of 8x. You could use bar models to help.

Find all the factors of the expressions.



b) 6*ab*

_				

9	Show that 2 and $6y + 3$ are factors of $12y + 6$

List two other factors of 12y + 6

List two factors of each expression.

a)
$$3c + 6$$

c)
$$3xy - 3y$$

d)
$$8x + 3y$$



