

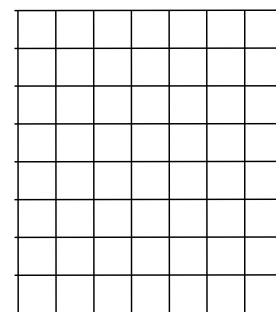
1. Solve the equations:

$$15 \cdot (x + 5) = 75$$

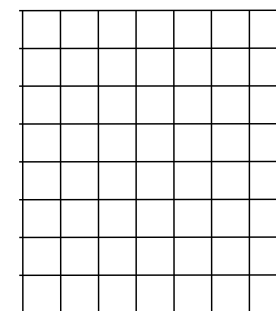
$$417 - 5x = 202$$

$$240 : (x + 2) = 30$$

2. Claus has \$2. How many 27 cent chocolate bars can he buy?



3. A plastic bag may hold 15 cans of yogurt without tearing.
How many plastic bags are needed to carry 72 cans of yogurt?



4. Circle:

a set of all points located on the same distance from its center.

1. Plot $w = \text{Circ}(A, 4 \text{ cm})$

2. Plot $g = \text{Circ}(B, 6 \text{ cm})$

3. Find $\{C, D\} = w \cap g$

4. Plot CD

5. Find $H = AB \cap CD$

$\bullet$
A

$\bullet$
B

5. Divisibility traits:

- a number is divisible by 2 if it ends in an even digit
- a number is divisible by 5 if it ends in 0 or 5
- a number is divisible by 3 if the total of its digits is divisible by 3
- a number is divisible by 9 if the total of its digits is divisible by 9
- a number is divisible by 11 if the total of its digits in the odd places equals the total of its digits in the even places

Is the number ... divisible by ...?

	198	4500	1683	2015	2019	1989	1625
2							
3							
5							
9							
11							

6. A farmer needs to apply 20 g of fertilizer per square yard of vegetable bed. He has 280 square yards of egg plants and 190 square yards of cucumbers. He buys fertilizer in 1 kg packages.

a) How many packages does he need for one application?

b) How much fertilizer will remain after?
