<u>Math 9</u>

Fill in the box to make the statement true.

a) $4 \times 4 = 24$ b) $5 \times 12 = 60$ c) $700 \div 10 = 70$

d)
$$30 \div 6 = 5$$
 e) $\frac{63}{3} = 21$ f) $\frac{18}{3} = 6$

Steps to solving one-step equations:

- \blacktriangleright Do the **opposite** operation to **both** sides of the equation to isolate x.
- Check your answer.

<u>Ex.</u> Solve and check. Show your work!



(think about the **opposite**)

Ex: Solve and check. Show your work!

a)
$$x - 7 = 12$$

 $+7 + 7$
 $x = 19$
b) $a + 3 = 14$
 $-3 - 3$
 $a = 11$
check:
 $19 - 7 = 12$
 $19 - 7 = 12$
 $a = 11$
 $a = 11$
 $a = 11$
 $a = 14$
 $a = -3 = 4$
 $b = -3 + 8$
 $b = -3 + 8$
 $b = -3 + 8$
 $b = -3 + 8$

Questions: Solve. Show your work!

$$1) m - 9 = -7$$

$$+9 + 9$$

$$m = 2$$

$$2) x - 6 = -15$$

$$+6 + 6$$

$$7 = -9$$

$$4) -7 = x - 4'$$

$$-3 = \chi$$

$$2) x - 6 = -15$$

$$-7 = -9$$

$$3) a + 8 = 4$$

$$-8 - 9$$

$$6) -9 = y - 1'$$

$$+1 + 1$$

$$m = -11$$

$$m = -11$$

$$-8 = 9$$

<u>Ex.</u> Solve and check. (Think about the **opposite**)



Example: Solve and check. Show your work!



Questions: Solve. Show your work!







Example: Solve.



b) $\frac{x}{2} = \frac{5}{6} \times \frac{2}{3}$ $\chi = \frac{5}{6} \times \frac{2}{7}$ $\chi = \frac{10}{6}$ $\chi = \frac{5}{3}$



Questions: Solve. Show your work!





