

HW #14.

#1 a. $a:4, 15 = \frac{4}{15} a$

b. $a - \frac{1}{4} a$

#2. $x:10$ $x:10+15$

a) $\frac{x}{10}$

b) $\frac{x}{10} + 15$

c) $n \cdot \frac{x}{10}$

d) $n \cdot \frac{x}{10} + m \left(\frac{x}{10} + 15 \right)$

#3.

$n-2, n, n+2$

43 45 47

$135:3$

#4,

$$2x + 3 = 11$$

a. $2x + 3 - 3 = 11 - 3$

$$2x = 8$$

$$x = 8 : 2 = 4.$$

$$2 \cdot 4 + 3 = 11$$

b. $\frac{1}{2}x - 5 = 12$

$$\frac{1}{2}x - 5 + 5 = 12 + 5$$

$$\frac{1}{2}x = 17$$

$$x = 17 \cdot 2 = 34.$$

$$\frac{1}{2} \cdot 34 - 5 = 12.$$

c. $14 + x = 4 + 6x$

$$14 + x - x - 4 = 4 - 4 + 6x - x$$

$$10 = 5x$$

$$x = 2.$$

$$14 + 2 = 4 + 6 \cdot 2$$

$$16 = 16$$

5.

$$\frac{5.6 \cdot 3\frac{1}{3} \cdot 0.63}{4.9 \cdot 0.018 \cdot 5\frac{1}{3}} = \frac{\frac{56}{10} \cdot \frac{10}{3} \cdot \frac{63}{100}}{\frac{49}{10} \cdot \frac{18}{1000} \cdot \frac{16}{3}} =$$

$$= \frac{56 \cdot 63}{3 \cdot 100} \cdot \frac{10 \cdot 1000 \cdot 3}{49 \cdot 18 \cdot 16} = \frac{7 \cdot 8 \cdot 7 \cdot 9}{7 \cdot 7 \cdot 9 \cdot 2 \cdot 16} \cdot 100 =$$

$$= \frac{100}{4} = 25$$

6. 1. if Anya gives $\frac{1}{2}$ of her mashr. to vita \rightarrow
 everybody will have eq. amount.
 Vita had 0 mashr.

Anya had 2 times as many as all other kids
 2. if Anya gives all her mashr. to Sasha, Sasha

#7.

$$5 \cdot 2 \cdot 2 = 20.$$

#8.

a. 8, b. 12, c. 6, d.