



Algebra

Solve Equations

9a. Circle the equation that is the odd one out.

$$a^2 = 30\frac{1}{4}$$

$$25.5 \div 10 = a$$

$$12a = 30.6$$



VF

9b. Circle the equation that is the odd one out.

$$y \times 0.5 = 27\frac{1}{2}$$

$$-45 + 100 = y$$

$$25y = 137.5$$



VF

10a. Which representation matches the expression $2m + 0.5$?

A.

B.

C.



VF

10b. Which representation matches the expression $n \div 1$?

A.

B.

C.



VF

11a. Compare the value of the letters in each equation using $<$, $>$ or $=$.

$$c^2 = 169 \quad \square \quad d - 0.5 = 2 \quad \square \quad e - 10 = -7.5$$



VF

11b. Compare the value of the letters in each equation using $<$, $>$ or $=$.

$$d \times 8 = 72 \quad \square \quad -5 + e = 2 \quad \square \quad f \div 2 = 3.5$$



VF

9a. Are the following statements true or false?

A. If $x = 12$, then $0.75x = 9$

B. If $y = 7$, then $3y \div y = 5$

C. If $z = 4$, then $7 - z = -1$



VF

9b. Are the following statements true or false?

A. If $x = 8$, then $0.75x + 7 = 13$

B. If $y = 11$, then $4y \times 2 = 80$

C. If $z = 7$, then $7 - 2z = 7$



VF

10a. What is the value of c ?

$$\frac{1}{5}c + 48 = 60$$

12

30

60



VF

10b. What is the value of c ?

$$\frac{1}{10}c + 91 = 100$$

10

80

90



VF

11a. Match each equation to the value of a .

$$16a + 24 = 28$$

$$a = 4$$

$$9a + 17 = 21.5$$

$$a = \frac{1}{4}$$

$$-5 = 6a - 29$$

$$a = 0.5$$



VF

11b. Match each equation to the value of a .

$$20a + 36 = 41$$

$$a = 0.5$$

$$7a + 34 = 37.5$$

$$a = 5$$

$$-4 = 6a - 34$$

$$a = \frac{1}{4}$$



VF