

Solving Two-Step Equations (7-1) HW

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For questions 1-4, FIRST write the equation described by the question, THEN solve.

- 1) How old am I if 300 reduced by 2 times my age is 194?
- 2) How old am I if 300 reduced by 2 times my age is 198?
- 3) You bought a magazine for \$3 and some candy bars for \$2 each. You spent a total of \$9. How many candy bars did you buy?
- 4) You had \$20 to spend on four pens. After buying them you had \$8. How much did each pen cost?

Solve each equation.

5) $28 = -14x$

6) $-12n = -192$

7) $n - 8 = -23$

8) $x + 13 = -7$

9) $6 = \frac{v}{-8} + 5$

10) $-159 = -8n + 1$

11) $-5 = \frac{x}{-1} - 5$

12) $\frac{x}{-3} - 2 = -7$

13) $-1\frac{1}{2} + 2a = -1\frac{1}{2}$

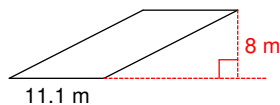
14) $2\frac{2}{3} + 3a = 6\frac{2}{3}$

15) $\frac{r}{-2.1} + 2.6 = 5.171$

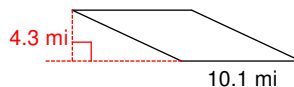
16) $-1.61n - 1.2 = -2.971$

The area of a parallelogram is bh , where b is the base and h is the height. Remember, height is always perpendicular to the base. Find the area of each parallelogram.

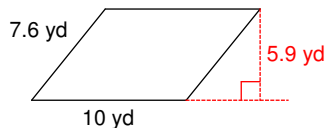
17)



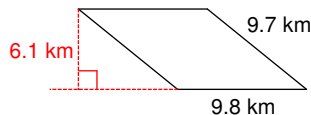
18)



19)



20)



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For questions 1-4, FIRST write the equation described by the question, THEN solve.

- 1) How old am I if 300 reduced by 2 times my age is 194?

53

- 3) You bought a magazine for \$3 and some candy bars for \$2 each. You spent a total of \$9. How many candy bars did you buy?

3

- 2) How old am I if 300 reduced by 2 times my age is 198?

51

- 4) You had \$20 to spend on four pens. After buying them you had \$8. How much did each pen cost?

\$3

Solve each equation.

5) $28 = -14x$

{-2}

7) $n - 8 = -23$

{-15}

9) $6 = \frac{v}{-8} + 5$

{-8}

11) $-5 = \frac{x}{-1} - 5$

{0}

13) $-1\frac{1}{2} + 2a = -1\frac{1}{2}$

{0}

15) $\frac{r}{-2.1} + 2.6 = 5.171$ {-5.3991}

6) $-12n = -192$

{16}

8) $x + 13 = -7$

{-20}

10) $-159 = -8n + 1$

{20}

12) $\frac{x}{-3} - 2 = -7$

{15}

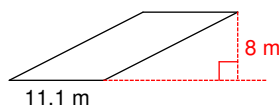
14) $2\frac{2}{3} + 3a = 6\frac{2}{3}$ $\left\{1\frac{1}{3}\right\}$

16) $-1.61n - 1.2 = -2.971$

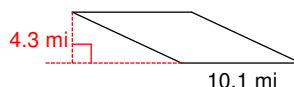
{1.1}

The area of a parallelogram is bh , where b is the base and h is the height. Remember, height is always perpendicular to the base. Find the area of each parallelogram.

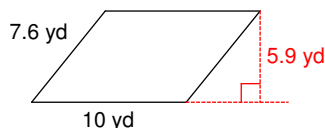
17)

88.8 m²

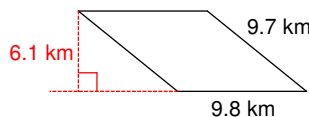
18)

43.43 mi²

19)

59 yd²

20)

59.78 km²