

Homework

Activity 1

For each problem, select the two different ways you could start solving them (choose two answers).

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| 1. $2x + 7 = -x + 5$ | 2. $y - 8 = 12 + 2y$ |
| (a) Add x to each side. | (a) Multiply each side by 2. |
| (b) Add -5 to each side. | (b) Add 8 to each side. |
| (c) Divide each side by 7. | (c) Add $-y$ to each side. |
| (d) Multiply each side by 2. | (d) Add 12 to each side. |

Activity 2

Solve.

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|----------------------|---------------------|
| 1. $a + 10 = 2a - 2$ | 2. $4 - 2b = b + 1$ |
| 3. $-3 - c = c + 2$ | 4. $x - 4 = 3x + 8$ |

Activity 3

Solve the rate problems using the formula $r \cdot t = d$.

1. Raj's family was traveling at about 60 mph to visit cousins living 100 miles away. About how long will it take them to get there?
2. If a satellite is 4,000 miles away from its target and it is traveling 200 miles per minute, how many minutes before it reaches its target?

Activity 4 • Distributed Practice

Solve.

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|------------------------------|---------------------------------|
| 1. $-5 - -2 = y$ | 2. $-18 + w = 2$ |
| 3. $\frac{1}{3} \cdot z = 1$ | 4. $\frac{5}{7} = \frac{h}{42}$ |
| 5. $4,000 = 200t$ | 6. $12 = 3(a + 2)$ |