

Outcome 1 - One Step Equations

Bronze examples

Examples... **To solve an equation we need to get 'x' on its own!**

$$x + 7 = 15$$

$$x = 8 \quad \text{Take away 7!}$$

$$a - 9 = 11$$

$$a = 20 \quad \text{Add 9!}$$

Silver examples

Examples... **To solve an equation we need to get 'x' on its own!**

$$x + 10 = 4$$

$$x = -6 \quad \text{Take away 10!}$$

$$a - 9 = -7$$

$$a = 2 \quad \text{Add 9!}$$

Gold examples

Examples... **To solve an equation we need to get 'x' on its own!**

$$x + \frac{1}{2} = 15$$

$$x = 14\frac{1}{2} \quad \text{Take away } \frac{1}{2}!$$

$$a - \frac{1}{3} = -7$$

$$a = -6\frac{2}{3} \quad \text{Add } \frac{1}{3}!$$

Bronze Questions

Solve the following simple equations...



- | | |
|---------------|-----------------|
| 1 $x + 3 = 4$ | 2 $a + 3 = 5$ |
| 3 $p + 4 = 6$ | 4 $c + 2 = 4$ |
| 5 $d + 2 = 5$ | 6 $t - 4 = 9$ |
| 7 $m - 2 = 6$ | 8 $s - 3 = 4$ |
| 9 $w - 6 = 6$ | 10 $n - 6 = 12$ |

Silver Questions

Solve the following one-step equations...



- | | |
|-----------------|------------------|
| 1 $x + 5 = 4$ | 2 $a + 7 = 5$ |
| 3 $p + 7 = 6$ | 4 $c + 5 = 4$ |
| 5 $d + 7 = 5$ | 6 $t - 9 = 4$ |
| 7 $m - 9 = -6$ | 8 $s - 3 = -4$ |
| 9 $w - 6 = -10$ | 10 $n - 6 = -12$ |

Gold Questions

Solve the following one-step equations...



- | | |
|---------------------------|-----------------------------|
| 1 $x + \frac{1}{2} = 17$ | 2 $a + \frac{1}{3} = 9$ |
| 3 $p + \frac{1}{4} = 2$ | 4 $c + \frac{1}{2} = 20$ |
| 5 $d + \frac{1}{2} = 7$ | 6 $t - \frac{1}{3} = 3$ |
| 7 $m - \frac{1}{3} = -10$ | 8 $s - \frac{1}{2} = -8$ |
| 9 $w - \frac{1}{4} = -1$ | 10 $n - \frac{1}{8} = -100$ |

Bronze Answers

- | | | | |
|----|----------|-----|----------|
| 1. | $x = 1$ | 2. | $a = 2$ |
| 3. | $p = 2$ | 4. | $c = 2$ |
| 5. | $d = 3$ | 6. | $t = 13$ |
| 7. | $m = 8$ | 8. | $s = 7$ |
| 9. | $w = 12$ | 10. | $n = 18$ |

Silver Answers

- | | | | |
|----|----------|-----|----------|
| 1. | $x = -1$ | 2. | $a = -2$ |
| 3. | $p = -1$ | 4. | $c = -1$ |
| 5. | $d = -2$ | 6. | $t = 13$ |
| 7. | $m = 3$ | 8. | $s = -1$ |
| 9. | $w = -4$ | 10. | $n = -6$ |

Gold Answers

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|----|---------------------|-----|----------------------|
| 1. | $x = 16\frac{1}{2}$ | 2. | $a = 8\frac{2}{3}$ |
| 3. | $p = 1\frac{3}{4}$ | 4. | $c = 19\frac{1}{2}$ |
| 5. | $d = 6\frac{1}{2}$ | 6. | $t = 3\frac{1}{3}$ |
| 7. | $m = -9\frac{2}{3}$ | 8. | $s = -7\frac{1}{2}$ |
| 9. | $w = -\frac{3}{4}$ | 10. | $n = -99\frac{7}{8}$ |