Outcome 2 – More One Step Equations

Bronze examples

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

$8x = 24$ Divide by 8!
$x = 3$

$9x = 81$ Divide by 9!
$x = 9$

Silver examples

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

$2x = 13$ Divide by 2!
$x = 6\cdot5$

$5x = -15$ Divide by 5!
$x = -3$

Gold examples

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

$\frac{1}{2}x = 11$ Multiply by 2!
$x = 22$

$\frac{1}{3}x = -10$ Multiply by 3!
$x = -30$

Bronze Questions

Solve the following simple equations…

1. $5x = 10$
2. $3a = 27$
3. $2p = 40$
4. $10c = 110$
5. $4d = 36$
6. $3t = 36$
7. $6m = 12$
8. $7s = 28$
9. $9w = 18$
10. $8n = 48$

Silver Questions

Solve the following one-step equations…

1. $2x = 11$
2. $2a = 29$
3. $2p = 41$
4. $2c = 5$
5. $4d = 37$
6. $3t = -3$
7. $6m = -12$
8. $7s = -28$
9. $6w = -18$
10. $8n = -16$

Gold Questions

Solve the following one-step equations…

1. $\frac{1}{2}x = 9$
2. $\frac{1}{3}a = 1$
3. $\frac{1}{2}p = 13$
4. $\frac{1}{3}c = 30$
5. $\frac{1}{4}d = 7$
6. $\frac{1}{3}t = -35$
7. $\frac{1}{4}m = -6$
8. $\frac{1}{8}s = -8$
9. $\frac{1}{3}w = -100$
10. $\frac{1}{8}n = -3$

Bronze Answers

1. $x=2$ 2. $a=9$
3. $p=20$ 4. $c=11$
5. $d=9$ 6. $t=12$
7. $m=2$ 8. $s=4$
9. $w=2$ 10. $n=6$

Silver Answers

1. $x=5{\cdot}5$ 2. $a=14{\cdot}5$
3. $p=20{\cdot}5$ 4. $c=2{\cdot}5$
5. $d=9{\cdot}25$ 6. $t=-1$
7. $m=-2$ 8. $s=-4$
9. $w=-3$ 10. $n=-2$

Gold Answers

1. $x=18$ 2. $a=3$
3. $p=26$ 4. $c=90$
5. $d=28$ 6. $t=-105$
7. $m=-24$ 8. $s=-64$
9. $w=-300$ 10. $n=-24$