

<p>1. Solve and CHECK</p> $\frac{x}{4} + 2 = 5$ <p>CHECK:</p> $5 = 5 \checkmark$ <p>$x = 12$</p>	<p>2. Solve and CHECK</p> $-8 = \frac{x}{4} - 5$ <p>CHECK:</p> $-8 = -8 \checkmark$ <p>$x = -12$</p>	<p>3. Solve and CHECK</p> $-3w + 4 = 3w + 2$ <p>CHECK:</p> $3 = 3 \checkmark$ <p>$w = \frac{1}{3}$</p>
<p>4. Solve and CHECK</p> $3(w + 4) = 5w + 2(w - 4)$ <p>$w = 5$ $27 = 27 \checkmark$</p>	<p>5. Solve and CHECK.</p> $2y - (6y - 8) = 4(y + 2) - 40$ <p>$y = 5$ $-12 = -12 \checkmark$</p>	<p>6. Solve and CHECK.</p> $2y + 2 = 4y + 18$ $7y - (5y - 2) = 4(y + 8) - 14$ <p>$y = -8$ $-14 = -14 \checkmark$</p>
<p>7. Solve.</p> $\frac{4x-8}{18} = \frac{x+3}{12}$ <p>$x = 5$ $\frac{2}{3} = \frac{2}{3} \checkmark$</p>	<p>8. Solve.</p> $\frac{2x-8}{8} = \frac{3x+3}{12}$ <p>No solution</p>	

<p>9. 120 is 80% of what number?</p> <p>150</p>	<p>10. What is 36% of 90?</p> <p>32.4</p>	<p>11. 24 is what percent of 64?</p> <p>37.5%</p>
<p>12. 115% of 98 is what number?</p> <p>112.7</p>	<p>13. 65 is what percent of 40?</p> <p>162.5%</p>	<p>14. 72 is 60% of what number?</p> <p>120</p>
<p>15. A person buys a bike for \$25 and then sells it for \$40. What is the percent increase?</p> <p>60%</p>	<p>16. How long will it take Rey to bike 56 miles at 17 mph? Round to the nearest tenth.</p> <p>It will take Rey about 3.3 hours.</p>	<p>17. John has 7 hours to drive to his Grandma's house 382 miles away. How fast, on average, does he need to drive? Round to the nearest tenth.</p> <p>John needs to drive about 54.6 mph</p>
<p>18. A \$21,000 truck is on sale for \$17,500. What is the percent decrease rounded to the nearest tenth of a percent?</p> <p>16.7%</p>	<p>19. Convert 14 yards to inches.</p> <p>504 in</p>	<p>20. Convert 82 mi/hr to ft/sec</p> <p>~120.3 ft/sec</p> $\frac{82 \text{ mi}}{1 \text{ hr}} \times \frac{5280 \text{ ft}}{1 \text{ mi}} \times \frac{1 \text{ hr}}{3600 \text{ sec}}$