Multi Step Equations

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Solve each equation.

1) $\frac{2x - 15}{7} = 48 - \frac{1}{7}x$

2) $5x - 28 = 140 - 2x$

3) $2x - 8 + 3x = 52 + x$

4) $\frac{6x - 14}{4} = 133 - \frac{1}{4}x$

5) $5x - 28 = 119 - 2x$

6) $7x - 27 = 99 - 2x$

7) $3x - 20 + 3x = 100 + x$

8) $7x - 18 + 3x = 90 + x$

9) $6x - 16 + 3x = 40 + x$

10) $3x - 20 + 3x = 35 + x$

11) $4x - 18 = 60 - 2x$

12) $7x - 18 = 117 - 2x$

13) $\frac{5x - 24}{5} = 6 - \frac{1}{5}x$

14) $4x - 30 = 12 - 2x$

15) $5x - 14 = 21 - 2x$

16) $\frac{5x - 12}{7} = 24 - \frac{1}{7}x$

17) $\frac{6x - 21}{5} = 70 - \frac{1}{5}x$

18) $\frac{1x - 10}{3} = 6 - \frac{1}{3}x$

19) $6x - 40 = 128 - 2x$

20) $\frac{3x - 16}{7} = 32 - \frac{1}{7}x$

21) $5x - 21 = 56 - 2x$

22) $5x - 21 = 49 - 2x$

Answers of Multi Step Equations

Solve each equation.

1) $\frac{2x-15}{7} = 48 - \frac{1}{7}x \Rightarrow x = 117$

2) $5x - 28 = 140 - 2x \Rightarrow x = 24$

3) $2x - 8 + 3x = 52 + x$
$\Rightarrow x = 15$

4) $\frac{6x-14}{4} = 133 - \frac{1}{4}x \Rightarrow x = 78$

5) $5x - 28 = 119 - 2x \Rightarrow x = 21$

6) $7x - 27 = 99 - 2x \Rightarrow x = 14$

7) $3x - 20 + 3x = 100 + x$
$\Rightarrow x = 24$

8) $7x - 18 + 3x = 90 + x$
$\Rightarrow x = 12$

9) $6x - 16 + 3x = 40 + x$
$\Rightarrow x = 7$

10) $3x - 20 + 3x = 35 + x$
$\Rightarrow x = 11$

11) $4x - 18 = 60 - 2x \Rightarrow x = 13$

12) $7x - 18 = 117 - 2x \Rightarrow x = 15$

13) $\frac{5x-24}{5} = 6 - \frac{1}{5}x \Rightarrow x = 9$

14) $4x - 30 = 12 - 2x \Rightarrow x = 7$

15) $5x - 14 = 21 - 2x \Rightarrow x = 5$

16) $\frac{5x-12}{7} = 24 - \frac{1}{7}x \Rightarrow x = 30$

17) $\frac{6x-21}{5} = 70 - \frac{1}{5}x \Rightarrow x = 53$

18) $\frac{1x-10}{3} = 6 - \frac{1}{3}x \Rightarrow x = 14$

19) $6x - 40 = 128 - 2x \Rightarrow x = 21$

20) $\frac{3x-16}{7} = 32 - \frac{1}{7}x \Rightarrow x = 60$

21) $5x - 21 = 56 - 2x \Rightarrow x = 11$

22) $5x - 21 = 49 - 2x \Rightarrow x = 10$