

HW#4

Date _____

Solve each equation.

1) $\frac{r}{15} = 5$

- A) {75} B)
- $\left\{\frac{1}{3}\right\}$
- C) {-10} D) {20}

2) $16 = k + 6$

- A) {96} B) {10} C) {22} D)
- $\left\{2\frac{2}{3}\right\}$

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

- A) {-9} B) {-23} C) {-112} D)
- $\left\{-2\frac{2}{7}\right\}$

4) $28 = 2n$

- A) {26} B) {30} C) {14} D) {56}

5) $x - 12 = 4$

- A)
- $\left\{\frac{1}{3}\right\}$
- B) {16} C) {48} D) {-8}

6) $90 = -5a$

- A) {95} B) {-18} C) {-4} D) {85}

7) $2p = 12$

- A) {6} B) {14} C) {24} D) {10}

8) $33 = n + 20$

- A) {13} B) $\left\{1\frac{13}{20}\right\}$ C) {20} D) {53}

9) $-12 = x + 5$

- A) {-7} B) {-60} C) {-17} D) $\left\{-2\frac{2}{5}\right\}$

10) $n + 2 = -5$

- A) $\left\{-2\frac{1}{2}\right\}$ B) {-10} C) {-3} D) {-7}

11) $\frac{x-7}{13} = -2$

- A) {-19} B) {10} C) {19} D) {-5}

12) $-1 = \frac{-8+n}{25}$

- A) {3} B) {-13} C) {8} D) {-17}

13) $5 + \frac{r}{7} = 7$

- A) {14} B) {-3} C) {-9} D) {3}

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

- A) {15} B) {-5} C) {-3} D) {13}

15) $-18 = -n - 2$

- A) $\{-15\}$ B) $\{16\}$ C) $\{-12\}$ D) $\{-6\}$

16) $100 = 5 - 5r$

- A) $\{12\}$ B) $\{-19\}$ C) $\{-14\}$ D) $\{-2\}$

17) $0 = \frac{9 + x}{1}$

- A) $\{7\}$ B) $\{-6\}$ C) $\{-9\}$ D) $\{12\}$

18) $38 = 4k - 6$

- A) $\{-11\}$ B) $\{1\}$ C) $\{11\}$ D) $\{2\}$

19) $\frac{p}{4} - 10 = -11$

- A) $\{-4\}$ B) $\{-18\}$ C) $\{-2\}$ D) $\{12\}$

20) $32 = -10 + 7n$

- A) $\{-19\}$ B) $\{19\}$ C) $\{3\}$ D) $\{6\}$

21) $3(8x - 3) = 111$

- A) $\{4\}$ B) $\{-16\}$ C) $\{5\}$ D) $\{2\}$

22) $-3r - 7(2 + 5r) = 290$

- A) $\{4\}$ B) $\{7\}$ C) $\{8\}$ D) $\{-8\}$

23) $-7(1 - 7p) = 189$

- A) $\{5\}$ B) $\{-14\}$ C) $\{13\}$ D) $\{4\}$

- 24) $135 = -5(5 + 4x)$
A) $\{-8\}$ B) $\{4\}$ C) No solution. D) $\{6\}$
- 25) $-8(6x - 2) = -272$
A) $\{15\}$ B) $\{-14\}$ C) $\{6\}$ D) $\{-11\}$
- 26) How old am I if 300 reduced by 4 times my age is 52?
A) 62 B) 71 C) 92 D) 67
- 27) A wise man once said, "400 reduced by twice my age is 264." What is his age?
A) 61 B) 57 C) 128 D) 68
- 28) On Tuesday Huong bought nine boxes. On Wednesday half of all the boxes that she had were destroyed. On Thursday there were only 17 left. How many did she have on Monday?
A) 4 B) 16 C) 8 D) 25
- 29) Natalie had some candy to give to her five children. She first took eight pieces for herself and then evenly divided the rest among her children. Each child received four pieces. With how many pieces did she start?
A) 25 B) 22 C) 44 D) 28
- 30) Half of your baseball card collection got wet and was ruined. You bought 16 cards to replace some that were lost. How many did you begin with if you now have 39?
A) 62 B) 46 C) 78 D) 94