

Solving Equations Practice

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Solve each equation.

1) $-8 = \frac{n}{16}$

2) $-15 = \frac{x}{4}$

3) $-126 = 9n$

4) $p - 2 = 0$

5) $b + 5 = 19$

6) $-21 = x - 20$

7) $\frac{2}{17} = \frac{r}{17}$

8) $k - 12 = 3$

9) $-15 = -16 + v$

10) $-168 = -12m$

11) $42 = 9 - 3p$

12) $-4 = -5 + \frac{x}{-18}$

13) $77 = 8x + 5$

14) $-9 - 6m = -111$

15) $-10a + 2 = 202$

16) $-16 = -8 + \frac{x}{2}$

$$17) 1 = \frac{n-3}{-6}$$

$$18) \frac{5+p}{5} = 2$$

$$19) 2 + \frac{n}{4} = 0$$

$$20) 5 + 8k = 5$$

21) How old is Matt if he was 81 years old seven years ago?

22) Lea is cooking cupcakes. The recipe calls for 9 cups of sugar. She has already put in 4 cups. How many more cups does she need to put in?

23) Krystal is cooking bread. The recipe calls for 7 cups of flour. She has already put in 3 cups. How many more cups does she need to put in?

24) Four workers are hired to seed a field by hand. Each is given a plot which is 6×6 feet in size. What is the total area of the field?

25) Last week Cody ran 14 miles less than Lisa. Cody ran 18 miles. How many miles did Lisa run?

26) Jacob wanted to make note cards by cutting pieces of paper in half. Before starting he got three more pieces to use. When he was done he had 24 half-pieces of paper. With how many pieces did he start?

27) Shawna spent half of her weekly allowance at the movies. To earn more money her parents let her wash the dog for \$4. What is her weekly allowance if she ended with \$14?

28) Matt had some candy to give to his four children. He first took six pieces for himself and then evenly divided the rest among his children. Each child received two pieces. With how many pieces did he start?

29) Trevon's Bikes rents bikes for \$12 plus \$2 per hour. Ming paid \$24 to rent a bike. For how many hours did she rent the bike?

30) The Cooking Club made some pies to sell during lunch to raise money for a field trip. The cafeteria helped by donating three pies to the club. Each pie was then cut into four pieces and sold. There were a total of 44 pieces to sell. How many pies did the club make?

Answers to Solving Equations Practice (ID: 1)

1) $\{-128\}$

5) $\{14\}$

9) $\{1\}$

13) $\{9\}$

17) $\{-3\}$

21) 88

25) 32

29) 6

2) $\{-60\}$

6) $\{-1\}$

10) $\{14\}$

14) $\{17\}$

18) $\{5\}$

22) 5

26) 9

30) 8

3) $\{-14\}$

7) $\{2\}$

11) $\{-11\}$

15) $\{-20\}$

19) $\{-8\}$

23) 4

27) \$20

4) $\{2\}$

8) $\{15\}$

12) $\{-18\}$

16) $\{-16\}$

20) $\{0\}$

24) 144

28) 14