

Solving Equations using Addition and Subtraction

Solve each equation.

1) $-19 = r + (-13)$

2) $-15 = n - 6$

3) $-31 = p - 12$

4) $16 + x = 13$

5) $x - 5 = -25$

6) $-7 = 10 + r$

7) $25 = b + 15$

8) $0 = a + (-8)$

9) $p - 12 = 2$

10) $17 = n - (-12)$

11) $2.1 = k - 9$

12) $3.6 = 11 + x$

13) $x + (-4) = -5\frac{6}{17}$

14) $4\frac{7}{15} = a - \left(-\frac{4}{5}\right)$

15) $-\frac{39}{16} = v - 2\frac{3}{4}$

16) $m + 5\frac{7}{10} = 16\frac{7}{10}$

Write an equation to represent each situation. Then solve the equation.

17) Shayna wants to buy a lizard for \$43.98. She gives the cashier \$60. What is her change?

18) Darryl paid \$4 for a pizza. He now has \$13. How much money did he have before buying the pizza?

19) Rob paid \$7 for a sandwich. He now has \$5. How much money did he have before buying the sandwich?

20) A recipe for a cake calls for $3\frac{5}{6}$ cups of flour. Stephanie has already put in $2\frac{4}{9}$ cups. How many more cups does she need to put in?

21) How old is Ndiba if he will be 58 years old in nineteen years?

22) Last week Joe ran 18.4 miles more than Matt. Joe ran 37.3 miles. How many miles did Matt run?