

Solving Equations

Solve each equation.

1) $3 + \frac{x}{4} = 2$

2) $-7 = -2 + 5a$

3) $7 = 5 + \frac{k}{2}$

4) $2k + 4 = 10$

5) $-1 + \frac{n}{11} = -3$

6) $57 = 4a - 11$

7) $-1 = \frac{-7 + x}{21}$

8) $\frac{x}{1} + 3 = 3$

9) $0 = -1 + \frac{r}{-26}$

10) $-13 + \frac{n}{6} = -15$

11) $97 = -3a + 16$

12) $1 = \frac{7 + x}{18}$

13) $-2(x - 1) = 29 + 7x$

14) $30 + 6r = 6(-3r + 1)$

15) $8(m + 2) = -14 + 2m$

16) $-35 + 7x = 4 + 3(1 + 7x)$

17) Jose had \$22 to spend on five pens. After buying them he had \$2. How much did each pen cost?

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

19) For a field trip 6 students rode in cars and the rest filled nine buses. How many students were in each bus if 411 students were on the trip?

20) Sarawong spent \$16 on a magazine and some erasers. If the magazine cost \$4 and each eraser cost \$4, then how many erasers did he buy?