

**SKILL 14: Practice**

To solve each equation, tell what you will do first to both sides.

1.  $2x + 7 = 13$

\_\_\_\_\_

2.  $-3n - 8 = 7$

\_\_\_\_\_

3.  $2x - 9 = 11$

\_\_\_\_\_

4.  $-5x + 6 = 36$

\_\_\_\_\_

5.  $10x + (-9) = 21$

\_\_\_\_\_

6.  $4x - 13 = 3$

\_\_\_\_\_

7.  $-5m + 12 = -9$

\_\_\_\_\_

8.  $8k - 11 = 13$

\_\_\_\_\_

9.  $-6n - (-2) = 8$

\_\_\_\_\_

Solve each equation. Check your solutions.

10.  $3b + (-7) = -25$

$b =$  \_\_\_\_\_

11.  $\frac{n}{-4} + (-3) = 8$

$n =$  \_\_\_\_\_

12.  $16 = 4h - 12$

$h =$  \_\_\_\_\_

13.  $\frac{x}{6} - (-10) = 3$

$x =$  \_\_\_\_\_

14.  $8w - 17 = -89$

$w =$  \_\_\_\_\_

15.  $\frac{c}{7} - 12 = -4$

$c =$  \_\_\_\_\_

16.  $\frac{p}{-5} + 12 = 20$

$p =$  \_\_\_\_\_

17.  $5j + (-16) = -76$

$j =$  \_\_\_\_\_

18.  $\frac{k}{-3} + (-8) = -8$

$k =$  \_\_\_\_\_

For each problem, write an equation. Then solve.

19. Linda had \$15 in her coin bank. On her birthday, 5 relatives sent her money as a birthday gift. Each relative sent the same amount. She then had \$115. How much money did Linda receive from each relative?

\_\_\_\_\_

20. Gorillas and chimpanzees can learn sign language to communicate with humans. By 1982, a gorilla named Koko had learned 700 words. This is 50 fewer than 5 times as many words as a chimpanzee named Washoe knew 10 years earlier. How many words did Washoe know?

\_\_\_\_\_



21. Solve:  $4x - 8 = 32$ .

A 10

B 8

C 6

D -6

Skill 14

22. Solve:  $n + 15 = 22$ .

F -8

G -7

H 7

J 17

Skill 13