

Lesson 2 Skills Practice

Percent and Estimation

Estimate by using fractions.

1. 51% of 128

$$\frac{1}{2} \cdot 128 = 64$$

3. 32.9% of 90

$$\frac{1}{3} \cdot 90 = 30$$

5. 19% of 45

$$\frac{1}{5} \cdot 45 = 9$$

2. 76% of 200

$$\frac{3}{4} \cdot 200 = 150$$

4. 23% of 8

$$\frac{1}{4} \cdot 8 = 2$$

6. 81% of 16

$$\frac{4}{5} \text{ of } 15 = 12$$

Estimate by using 10%.

7. 12% of 98

$$0.1 \cdot 100 = 10$$

9. 31% of 80

$$0.1 \cdot 80 = 8 \text{ and } 3 \cdot 8 = 24$$

11. 62% of 13

$$0.1 \cdot 10 = 1 \text{ and } 6 \cdot 1 = 6$$

8. 89% of 300

$$0.1 \cdot 300 = 30 \text{ and } 9 \cdot 30 = 270$$

10. 28% of 49

$$0.1 \cdot 50 = 5 \text{ and } 3 \cdot 5 = 15$$

12. 77% of 28

$$0.1 \cdot 30 = 3 \text{ and } 8 \cdot 3 = 24$$

Estimate.

13. 308% of 500

$$3 \cdot 500 = 1,500$$

15. 153% of 20

$$(1 \cdot 20) + \left(\frac{1}{2} \cdot 20\right) = 30$$

17. 231% of 54

$$(2 \cdot 54) + \left(\frac{1}{3} \cdot 54\right) = 126$$

19. 0.26% of 36

$$0.01 \cdot 36 = 0.36 \text{ and } \frac{1}{4} \cdot 0.36 = 0.09$$

14. 0.5% of 87

$$0.01 \cdot 90 = 0.9 \text{ and } \frac{1}{2} \cdot 0.9 = 0.45$$

16. 0.6% of 41

$$0.01 \cdot 40 = 0.4 \text{ and } \frac{1}{2} \cdot 0.4 = 0.2$$

18. 0.9% of 116

$$0.01 \cdot 116 = 1.16$$

20. 425% of 119

$$(4 \cdot 120) + \left(\frac{1}{4} \cdot 120\right) = 510$$