



Name \_\_\_\_\_ Date \_\_\_\_\_

## Finding Percents (Pages 120–123)

You can find some percents using mental math. Some common percents can also be found using the equivalent fractions.

<b>Finding Percents</b>	<ul style="list-style-type: none"> <li>To find 1% of a number mentally, move the decimal point two places to the left (which is the same as dividing the number by 100).</li> <li>To find 10% of a number mentally, move the decimal point one place to the left (which is the same as dividing the number by 10).</li> </ul>
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Equivalent Fractions, Decimals, and Percents			
$\frac{1}{2}$ , 0.5, 50%	$\frac{2}{3}$ , $0.6\overline{6}$ , $66\frac{2}{3}\%$	$\frac{4}{5}$ , 0.8, 80%	$\frac{7}{8}$ , 0.875, 87.5%
$\frac{1}{4}$ , 0.25, 25%	$\frac{1}{5}$ , 0.2, 20%	$\frac{1}{8}$ , 0.125, 12.5%	$\frac{3}{10}$ , 0.3, 30%
$\frac{3}{4}$ , 0.75, 75%	$\frac{2}{5}$ , 0.4, 40%	$\frac{3}{8}$ , 0.375, 37.5%	$\frac{7}{10}$ , 0.7, 70%
$\frac{1}{3}$ , $0.3\overline{3}$ , $33\frac{1}{3}\%$	$\frac{3}{5}$ , 0.6, 60%	$\frac{5}{8}$ , 0.625, 62.5%	$\frac{9}{10}$ , 0.9, 90%

### EXAMPLES

**A** Compute 1% of 325 mentally.

*Think: 1% is  $\frac{1}{100}$  so move the decimal point in 325 two places to the left to make a smaller number.  
1% of 325 is 3.25.*

**B** Compute 75% of 12 mentally.

*Think: 75% is  $\frac{3}{4}$ .  
 $\frac{3}{4}$  of 12 is 9.*

### Try These Together

1. Compute 10% of 200 mentally.

*HINT: 10% is  $\frac{1}{10}$ . What is  $\frac{200}{10}$ ?*

2. Compute 50% of 80 mentally.

*HINT: What fraction equals 50%?*

### PRACTICE

**Compute mentally.**

3. 12.5% of 56

4. 1% of 21

5. 90% of 300

6. 30% of 120

7. 50% of 46

8. 40% of 40

**Replace each ● with >, <, or = to make a true sentence.**

9.  $5 \bullet 10\%$  of 100

10.  $62.5\%$  of 80  $\bullet 45$



**11. Standardized Test Practice** An advertising firm has small businesses and large corporations for clients. If they have 225 clients and 40% of them are small businesses, how many clients are small businesses?

**A** 80

**B** 90

**C** 70

**D** 100

Answers: 1. 20 2. 40 3. 7 4. 0.21 5. 270 6. 36 7. 23 8. 16 9. < 10. > 11. B