

Name: _____

Date: _____

BLM 8-10

Section 8.3 Extra Practice

1. Use mental math to determine each percent.

Percent	Mental Calculation
Example: 150% of \$25	150% is 100% + 50%. 100% of 25 is 25. 50% of 25 is 12.5. So, 150% of \$25 is \$37.50.
a) 0.2% of 70	10% of 70 is ____. 1% of 70 is ____. 0.1% of 70 is ____. So, 0.2% of 70 is ____.
b) $3\frac{1}{10}$ % of \$10 000	10% of 10 000 is ____. 1% of 10 000 is ____. 3% of 10 000 is ____. 0.1% of 10 000 is ____. So, $3\frac{1}{10}$ % of \$10 000 is ____.

2. Use mental math to determine each percent. Show your thinking.

a) 500% of 60

b) 0.2% of 600

c) 150% of 4000

d) $2\frac{1}{4}$ % of 80



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BLM 8-10 continued

3. Determine the percent of each number.

- Write the percent as a decimal.
- Give your answer to the nearest hundredth.

Example: 110% of \$30.50 As a decimal: $110 \div 100 = 1.1$

As a percent: $1.1 \times 30.50 = \$33.55$

a) $\frac{3}{4}\%$ of 690

b) 385% of \$210.60

c) $83\frac{7}{8}\%$ of 240

4. What is the percent of each number? Give your answer to the nearest hundredth.

a) $65\frac{1}{2}\%$ of 400

b) 325% of \$89.95

c) $\frac{3}{5}\%$ of 715

d) 245% of \$298.75

5. If the sales tax in a province is $6\frac{1}{2}\%$, what is the tax on a pair of shoes that cost \$82? Show your work.

