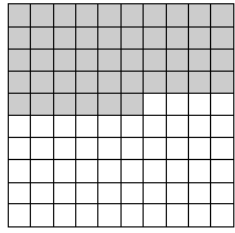
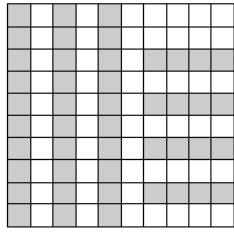


Name _____ Date _____ Period _____

Percentages Practice

1. What percentage of this 10×10 grid is shaded?

<p>a.</p> 	<p>b.</p> 
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2. Write the following fractions as percentages.

A percentage is a fraction with a denominator of _____.

c. $\frac{29}{100} =$	d. $\frac{512}{100} =$
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3. Express as a fraction in it simplest form.

a. $67\% =$	b. $40\% =$
c. $25\% =$	d. $112\% =$

4. Express these fractions as percentages.

a. $\frac{3}{10} =$	b. $\frac{7}{25} =$
c. $\frac{34}{50} =$	d. $\frac{88}{200} =$

5. Use your knowledge of **common percentages** to convert these fractions to percentages.

a. $\frac{1}{2} =$	b. $\frac{1}{4} =$
c. $\frac{3}{4} =$	d. $\frac{5}{8} =$
e. $1\frac{1}{5} =$	f. $3\frac{1}{3} =$

6. Write these percentages as decimals.

a. $55\% =$	b. $17\% =$
c. $117\% =$	d. $8\% =$

7. Write these decimals as percentages.

e. $0.65 =$	f. $0.13 =$
g. $2.84 =$	h. $0.03 =$

Percentage of a quantity

1. Find:

a. 50% of 40 =		b. 25% of 48 =	
c. $33\frac{1}{3}\%$ of 27 =		d. 20% of 250 =	
e. 10% of 670 =			

2. Find:

a. 30% of 300 =		b. 70% of 40 =	
c. 75% of 80 =		d. $66\frac{2}{3}\%$ of 54 =	

Percentage composition

3. What percentage is:

a. 17 of 20 =		b. 11 of 50 =	
c. 31 of 62 =		d. 11 of 44 =	

Percentage Change

4. Increase:

a. 28 by 50% =		b. 32 by 25% =	
c. 18 by $33\frac{1}{3}\%$ =		d. 25 by 20% =	

5. Decrease:

a. 400 by 25% =		b. 300 by 10% =	
c. 45 by $66\frac{2}{3}\%$ =		d. \$42 by 30% =	

Profit and Loss

6. Find the selling price:

	Cost price	Profit	Selling price
a.	\$30	\$7	
b.	\$100	\$25	

	Cost price	Loss	Selling price
c.	\$200	\$60	
d.	\$50	\$4	

7. Janice sold an iPod on eBay for \$35. She originally paid \$260 when she bought it new.

- Find the loss.
- Calculate the loss as a percentage of the cost price.