

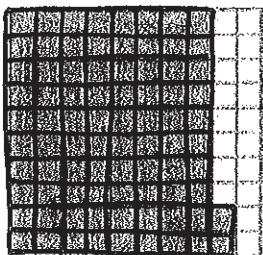
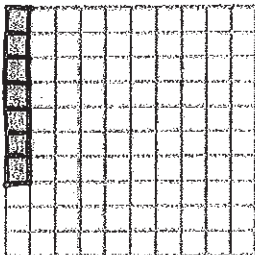
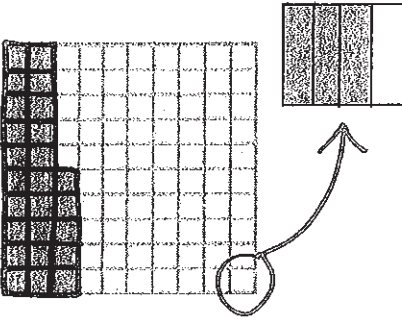
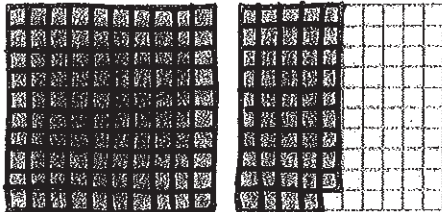
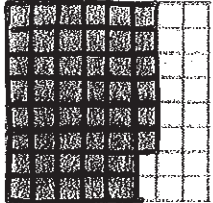
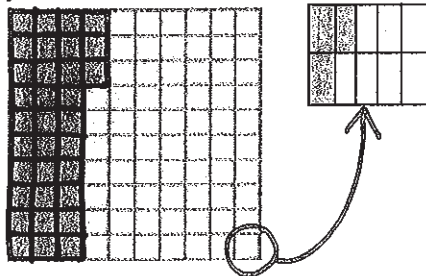
PLO A3 – Demonstrate an understanding of percents greater than or equal to 0%.

57

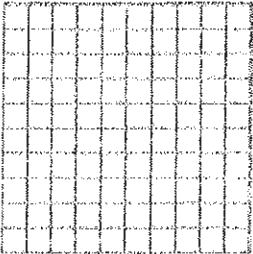
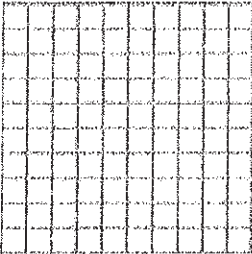
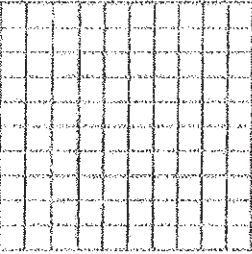
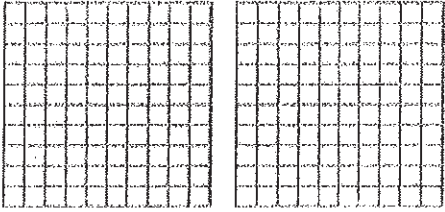
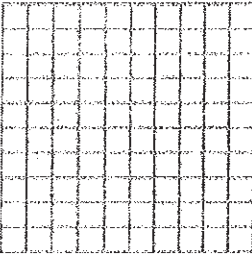
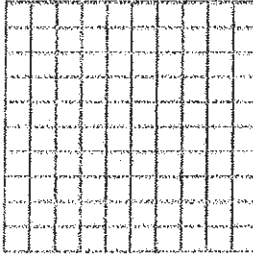
Part 1: How many hundreds grids are needed to show: (1 mark each)

a) 45%	b) 396%	c) 999%
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Part 2: What percent does each diagram represent if one completely shaded grid represents 100%? (1 mark each)

<p>a)</p> 	<p>b)</p> 
<p>c) as a FRACTION</p> 	<p>d)</p> 
<p>e) nearest tenth</p> 	<p>f) as a DECIMAL</p> 

Part 3: Shade the following to show each percent: (1 mark each)

<p>a) 57%</p> 	<p>b) 43%</p> 
<p>c) 14.7%</p> 	<p>d) 118%</p> 
<p>e) <math>\frac{3}{5}\%</math></p> 	<p>f) <math>22\frac{1}{5}\%</math></p> 

Part 4: Complete the following table: (0.5 marks each blank)

Percent	Decimal	Fraction
a) 16%		
b)	0.82	
c)		$\frac{75}{100}$

Percent	Decimal	Fraction
d) 18.2%		
e)	0.02	
f)		$\frac{489}{10,000}$
g) $\frac{3}{4}\%$		
h) 642%		
i)	0.0038	
j) $\frac{6}{10}\%$		
k) $6\frac{2}{16}\%$		
l)	0.03801	
m)		$\frac{9}{20}$

Part 5: Determine the following. (1 mark each)

a) 5% of 899	b) 900% of \$1,000
c) 19% of 2,501	d) 0.02% of \$2,300
e) 35.8% of \$11,812.45	f) $\frac{2}{5}\%$ of 4,000
g) 15% of 999	h) 310% of \$1,000
i) 1.5% of 2,505,000	j) 8.02% of \$22,400
k) $\frac{5}{8}\%$ of \$11,899.45	l) $\frac{2}{9}\%$ of 4,050

Part 6: Solve the following. (1 mark each)

a) What are the 12% taxes on a subtotal of \$144.96?
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b) What are the total savings if you buy four DVDs that cost \$19.95 each but are on sale 20% off?

c) Shawn bought three shirts for \$10.00 each, six pairs of socks for \$2.35 per pair, and one pair of jeans for \$49.95. What was his bill after 12% in taxes?

d) A sales rep for Bell Mobility earns her wages on a commission basis. She earns 2% on sales up to \$10,000, 3% on sales from \$10,000 – \$30,000, and 4% on anything over \$30,000. If she sells \$38,500 worth of product, how much did she earn?

e) Convert 68% into a decimal and a fraction in lowest terms.

f) Convert 2.625 into a percent and a fraction in lowest terms.

g) Identify the percent, fraction and decimal for the following three grids:

