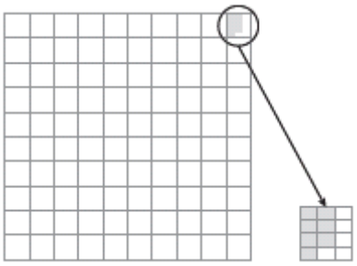
Name: _____ Date: _____

Math 8

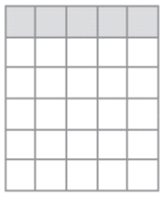
Review 4.1-4.3

1. What percent does each diagram represent?

a)



b)



2. Complete the following table. Fractions should be in **lowest terms**.

PERCENT	FRACTION	DECIMAL
a) 15%		
b) 130%		
c) 24.5%		
d) 0.62%		
e) 8.2%		
f) $42\frac{3}{4}\%$		

3. Complete the table.

FRACTION	DECIMAL	PERCENT
a) $\frac{45}{100}$		
b) $\frac{189}{100}$		
c) $\frac{7}{80}$		
d) $\frac{3}{20}$		
e) $\frac{32}{1000}$		

4. Complete the table. Fractions should be in **lowest terms**.

DECIMAL	FRACTION	PERCENT
a) 0.784		
b) 3.5		
c) 1.12		
d) 63.5		

Name: _____ Date: _____

5. A snack contains 0.9g of fat. Suppose that in one day, Shaun consumed a total of 40g of fat, including the snack. What percent of Shaun's total fat consumption does the snack represent?

6. Use **mental math** to determine the following. Show your thinking.

a) 20% of 80

b) 250% of 700

c) $10\frac{1}{2}\%$ of 3000

c) 0.2% of 50,000

7. The original price of a jacket was $120. A store manager marked the price down by 30%. By how much (in $) was the price reduced?

8. A car salesman makes 4% commission on every car that he sells. At the end of the month, he sold $75, 000 worth of cars. How much commission did he make?

Answers:

1a) $\frac{7}{12}\%$ b) about 16.7%

5) 2.25%

6a) 16 b) 1750 c) 315 d) 100

7) $36 8) $3000

2)

FRACTION	DECIMAL
$\frac{3}{20}$	0.15
$\frac{13}{10}$	1.3
$\frac{49}{200}$	0.245
$\frac{31}{5000}$	0.0062
$\frac{41}{500}$	0.082
$\frac{171}{400}$	0.4275

3)

DECIMAL	PERCENT
0.45	45%
1.89	189%
0.0875	8.75%
0.15	15%
0.032	3.2%

4)

FRACTION	PERCENT
$\frac{98}{125}$	78.4%
$\frac{7}{2}$	350%
$\frac{28}{25}$	112%
$\frac{127}{2}$	6350%