

Name : _____

Chapter 7 – Percentage

a) Express each percentage as a fraction in its simplest form

- 1) Write the percentage as a fraction with 100 as its denominator.
- 2) Simplify the fraction and change to mixed number if necessary.

$$\text{Example : } 20\% = \frac{20}{100} = \frac{2 \div 2}{10 \div 2} = \frac{1}{5}$$

$$110\% = \frac{110}{100} = \frac{11}{10} = 1 \frac{1}{10}$$

a) 40% = ____

b) 16% = ____

c) 25% = ____

d) 56% = ____

e) 75% = ____

f) 150% = ____

b) Express each percentage as a decimal

1) Write the percentage a fraction with 100 as its denominator.

2) Shift the decimal point 2 places to the left when dividing.

Example : $8\% = \frac{8}{100} = 0 \overset{\cdot}{0} \overset{\cdot}{8} \div 100 = 0.08$

$$57\% = \frac{57}{100} = 0 \overset{\cdot}{5} \overset{\cdot}{7} \div 100 = 0.57$$

$$129\% = \frac{129}{100} = 1 \overset{\cdot}{2} \overset{\cdot}{9} \div 100 = 1.29$$

a) 6% =

b) 10% =

c) 20% =

d) 32% =

e) 45% =

f) 60% =

g) 82% =

h) 134% =