Practice 7.1, 7.2

Name_____

(7.1) Write the percent as a fraction or mixed number in simplest form.

1) 6%

2) 325%

3) $3\frac{7}{8}\%$

Write the percent as a decimal.

4) 1%

5) 0.6%

6) $48\frac{1}{4}\%$

Write the fraction or mixed number as a percent. If necessary, round the percentage to the nearest tenth.

7) $\frac{1}{6}$

8) $\frac{33}{50}$

9) $9\frac{7}{10}$

Write the decimal as a percent.

10) 0.02

11) 0.923

12) 0.026

Complete the given table by finding the two missing values.

13)

Percent	Decimal	Fraction
	0.8	

14)

Percent	Decimal	Fraction
		$\frac{7}{8}$

(7.2) Translate the percent problem to a basic percent equation using x for the unknown value. Do not solve.

15) 19% of 72 is what number?

16) What percent of 74 is 23?

Find the unknown value.

17) What number is 40% of 700?

18) What number is 130% of 2960?

19) 88 is 40% of what number?

20) 161 is 35% of what number?

21) What percent of 1200 is 60?

22) 50 is what percent of 40?

23) What percent of 75 is 60?

24) What percent of 10 is $\frac{1}{2}$?

1) $\dfrac{3}{50}$

2) $3\dfrac{1}{4}$

3) $\dfrac{31}{800}$

4) 0.01

5) 0.006

6) 0.4825

7) 16.7%

8) 66%

9) 970%

10) 2%

11) 92.3%

12) 2.6%

13) 80%; $\dfrac{4}{5}$

14) 87.5%; 0.875

15) $0.19 \cdot 72 = x$

16) $x \cdot 74 = 23$

17) 280

18) 3848

19) 220

20) 460

21) 5%

22) 125%

23) 80%

24) 5%