

Practice 6.5, 7.1 & 7.2

Name _____

Convert the length as indicated. Round the answer to two decimal places.

1) 78 kilometers to miles

2) 7.6 meters to yards

3) 1400 meters to miles (meters \rightarrow kilometers \rightarrow miles)

Convert the length as indicated. Round the answer to one decimal place.

4) 9 feet to meters (feet \rightarrow yards \rightarrow meters)

Convert the mass or weight as indicated. Round the answer to one decimal place.

5) 0.7 kilograms to ounces (kilograms \rightarrow grams \rightarrow ounces)

Convert the temperature algebraically. Round the answer to one decimal place.

6) 110°C to Fahrenheit

7) 257°F to Celsius

Solve the problem.

8) A particular vitamin comes in 400 milligram tablets. Convert this to ounces. Round answer to the nearest thousandth, if necessary. (milligrams \rightarrow grams \rightarrow ounces)

9) Sam is running a fever of 100.9°F. Find this temperature as it would be shown on a Celsius thermometer. If necessary, round to the nearest tenth of a degree.

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

10) 6%

11) $3\frac{7}{8}\%$

Write the percent as a decimal.

12) 48%

13) 0.6%

14) $48\frac{1}{4}\%$

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

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

16) $\frac{9}{20}$

17) $9\frac{7}{10}$

Write the decimal as a percent.

18) 0.4

19) 5.1

Complete the given table by finding the two missing values.

20)

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

Find the unknown value.

21) What number is 40% of 700?

22) What number is 130% of 2960?

23) 88 is 40% of what number?

24) 161 is 35% of what number?

25) 414 is what percent of 69?

26) What percent of 50 is 13?

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

Answer Key

Testname: WKS_6.5_7.1_7.2

- 1) 48.36 mi
- 2) 8.28 yd
- 3) 0.87 mi
- 4) 2.8 m
- 5) 24.6 oz
- 6) 230°F
- 7) 125°C
- 8) 0.014 oz
- 9) 38.3°C
- 10) $\frac{3}{50}$
- 11) $\frac{31}{800}$
- 12) 0.48
- 13) 0.006
- 14) 0.4825
- 15) 16.7%
- 16) 45%
- 17) 970%
- 18) 40%
- 19) 510%
- 20) 87.5%; 0.875
- 21) 280
- 22) 3848
- 23) 220
- 24) 460
- 25) 600%
- 26) 26%
- 27) 5%