



Level 1: Measurement and Data Midtest Answer Key

Question 1:

A veterinarian prescribes 0.004 grams of medicine in one tablet.

How many milligrams of the medicine are in one tablet?

- a. 0.04 mg
- b. 0.40 mg
- c. 4 mg**
- d. 40 mg

Question 2:

What is the length, in feet, of a 100-yard football field?

- a. $8\frac{1}{3}$ ft
- b. $33\frac{1}{3}$ ft
- c. 300 ft**
- d. 1200 ft

Question 3:

The model of a statue is 20 inches tall.

How tall is the model in feet?

- a. $\frac{3}{5}$ ft
- b. $1\frac{2}{3}$ ft**
- c. 2 ft
- d. $6\frac{2}{3}$ ft

Continue ➡



Question 4:

In countries where the metric system is used, meat is sold in decagrams.

How many decagrams are in 450 grams of hamburger? (1 decagram = 10 grams)

- a. 0.45 decagrams
- b. 4.5 decagrams
- ☒ c. 45 decagrams
- d. 4,500 decagrams

Question 5:

The saying "a pint is a pound the world around" means that a pint of water weighs about 1 pound.

What is the weight of a gallon of water in pounds?

- a. 1 lb
- b. 4 lb
- ☒ c. 8 lb
- d. 16 lb

Question 6:

A wrench is made to fit a nut that is 1.8 centimeters wide.

How wide is the nut in millimeters?

- a. 0.018 mm
- b. 0.18 mm
- ☒ c. 18 mm
- d. 180 mm



Question 7:

An electrician needs to span a distance of 210 feet with wire to reach from the house to the power pole.

How many yards of wire does he need?

- a. 21 yd
- ☒ b. 70 yd
- c. 420 yd
- d. 630 yd

Question 8:

A pilot's flight plan requires him to fly 2 miles above the ground.

How many feet above the ground is the pilot required to fly? (5,280 feet = 1 mile)

- a. 2,640 ft
- b. 5,280 ft
- ☒ c. 10,560 ft
- d. 21,120 ft

Question 9:

The sales manager at Acme Auto says that a truck has a load capacity of $2\frac{1}{2}$ tons.

What is the load capacity of the truck in pounds?

- a. 250 lb
- b. 500 lb
- c. 2,500 lb
- ☒ d. 5,000 lb



Question 10:

The manager at the Acme Elementary School Cafeteria will order enough dough to make 3,500 pounds of pizza this year.

How many tons of pizza dough will the manager order?

a. 0.7 tons

b. $1\frac{3}{4}$ tons

c. $3\frac{1}{2}$ tons

d. 7000 tons

Question 11:

The entry lane onto a highway is 0.2 miles long.

How many feet long is the entry lane?

a. 528 ft

b. 1,056 ft

c. 3,520 ft

d. 26,400 ft

Question 12:

To dilute a small sample of liquid, a scientist adds 250 mL of pure water.

How many liters is 250 mL?

a. 0.25 L

b. 2.5 L

c. 25 L

d. 2500 L

Continue ➡



Question 13:

In its first 3 weeks, a sunflower plant grew 73 centimeters.

How many meters did the plant grow in its first 3 weeks?

- a. 0.0073 m
- b. 0.073 m
- ☒ c. 0.73 m
- d. 7.3 m

Question 14:

Ms. Romero's new car holds 8 pints of engine oil.

How many quarts of engine oil does her car hold?

- a. 2 qt
- ☒ b. 4 qt
- c. 8 qt
- d. 16 qt

Question 15:

Mark needs 500 milliliters of water for an experiment.

How many liters of water does he need for the experiment?

- a. 5 L
- ☒ b. 0.5 L
- c. 0.05 L
- d. 0.005 L



Question 16:

A fingernail grows about 35 millimeters each year.

About how many centimeters does a nail grow in a year?

- a. 0.035 cm
- b. 0.35 cm
- ☒ c. 3.5 cm
- d. 35 cm

Question 17:

Tyler has a one-gallon pitcher of lemonade.

How many $\frac{1}{2}$ -cup servings of lemonade can he make from the pitcher?

- a. 8
- b. 16
- c. 24
- ☒ d. 32

Question 18:

A geologist found an iron meteorite in the Nevada desert. It weighed 68.4 grams.

What is the weight of the meteorite in kilograms?

- a. 0.00684 kg
- ☒ b. 0.0684 kg
- c. 0.684 kg
- d. 6.84 kg

Continue ➡



Question 19:

Karen was 30 inches tall when she was two years old. She is 2 times as tall now.

How tall, in feet, is she now?

feet

Question 20:

Bonita's recipe calls for $\frac{1}{2}$ cup of tomato sauce for one pizza.

How many pizzas can Bonita make with 1 pint of tomato sauce?

pizzas

Question 21:

A baker bought 3 kilograms of flour. She used 1,200 grams of the flour to make cakes.

How many grams of flour does she have left?

grams