

## Pork Ag Mag - Math - Converting Metric Measurements

**Directions:** Use the conversion chart below to help you answer the questions.

**Length:**

1 centimeter (cm) = 10 millimeters (mm)

1 meter (m) = 100 centimeters (cm)

1 kilometer (km) = 1,000 meters (m)

1

A farrowing house has stalls that are 4 meters wide. How many centimeters is 4 meters?

- A 4 cm
- B 40 cm
- C 400 cm
- D 4000 cm

2

When pigs reach market weight, a truck must drive them 6000 meters to market. How many kilometers does the truck drive?

- A 60,000 km
- B 600 km
- C 60 km
- D 6 km

3

When a piglet is born it measures 22 centimeters long. How many millimeters long is the piglet?

- A 2.2 mm
- B 220 mm
- C 2200 mm
- D 22 mm

4

A finishing house measures .5 km long. What is the measurement of the length of the finishing house in meters?

- A 5 m
- B 50 m
- C 500 m
- D 5000 m

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**Weight:**

$$1 \text{ pound (lb)} = 16 \text{ ounces (oz)}$$

$$1 \text{ ton (t)} = 2,000 \text{ pounds (lbs)}$$

5

Illinois hogs eat 1 billion pounds of soybean meal each year. How many tons does 1,000,000,000 pounds equal?

- A 50 t
- B 500 t
- C 5000 t
- D 500,000 t

6

A piglet stays in the farrowing house until it weighs at least 10 pounds. How many ounces does 10 pounds equal?

- A 16 oz
- B 160 oz
- C 1600 oz
- D 16,000 oz

7

A pig must reach 250 pounds to make market weight. How many ounces does 250 pounds equal?

- A 250 oz
- B 16 oz
- C 450 oz
- D 4,000 oz

8

A semi truck and trailer used to transport pigs to market weighs 31,960 pounds. How many tons does the truck and trailer weigh?

- A 15.98 t
- B 159.8 t
- C 1.598 t
- D 63,920 t