

Measurement Conversions

Unit Review (page 1 of 2)

1. Write the missing numbers.

$$6.3 \text{ km} = \underline{\hspace{2cm}} \text{ m}$$

$$0.9 \text{ m} = \underline{\hspace{2cm}} \text{ mm}$$

2. Write the missing numbers.

$$580 \text{ cm} = \underline{\hspace{2cm}} \text{ m}$$

$$47 \text{ mm} = \underline{\hspace{2cm}} \text{ cm}$$

3. Fill in the table.

Kilograms	1	2.8	0.55
Grams	1,000		

4. Write $>$, $<$ or $=$ in each circle.

$$2.3 \text{ L} \bigcirc 2,400 \text{ mL}$$

$$1.5 \text{ L} \bigcirc 1,050 \text{ mL}$$

$$1.07 \text{ L} \bigcirc 1,070 \text{ mL}$$

5. Write the missing numbers. Write fractions in simplest form.

$$1 \frac{1}{2} \text{ mi} = \underline{\hspace{2cm}} \text{ yd}$$

$$5 \frac{1}{3} \text{ yd} = \underline{\hspace{2cm}} \text{ ft}$$

6. Write the missing numbers. Write fractions in simplest form.

$$33 \text{ in.} = \underline{\hspace{2cm}} \text{ ft}$$

$$20 \text{ ft} = \underline{\hspace{2cm}} \text{ yd}$$

7. Write the missing numbers. Write fractions in simplest form.

$$3 \frac{1}{2} \text{ tons} = \underline{\hspace{2cm}} \text{ lb}$$

$$2 \frac{3}{4} \text{ gal} = \underline{\hspace{2cm}} \text{ fl oz}$$

8. Write the missing numbers. Write fractions in simplest form.

$$36 \text{ oz} = \underline{\hspace{2cm}} \text{ lb}$$

$$18 \text{ c} = \underline{\hspace{2cm}} \text{ qt}$$

Measurement Conversions

Unit Review (page 2 of 2)

9. Read the story. Then answer.

A class has 3 kg of clay. Each of 12 students uses 150 g to make a pot. How many grams of clay are left?

_____ grams

10. Read the story. Then answer.

Each bag of trail mix weighs 10 oz. How many pounds do 6 bags weigh?

_____ pounds

11. Write the missing numbers. Then answer the question.

4 weeks = _____ hours

6 hours = _____ seconds

A concert starts at 10:50 a.m. and ends at 2:30 p.m. How long is the concert?

_____ hr _____ min

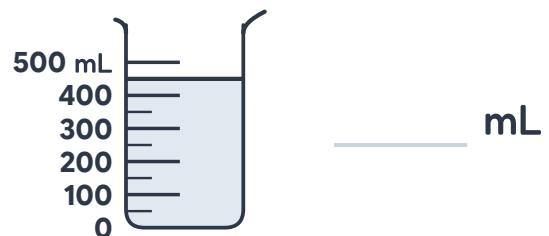
12. Circle the best estimate for each. Then write how much water is in the beaker.

The length of a marathon race:

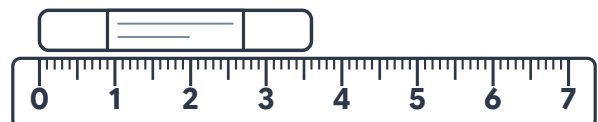
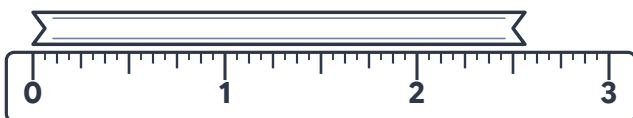
42 cm 42 m 42 km

The mass of a slice of bread:

30 g 30 kg



13. Measure the ribbon to the nearest sixteenth inch and the eraser to the nearest millimeter.



Measurement Conversions

Unit Review (page 1 of 2)

1. Write the missing numbers.

$$6.3 \text{ km} = \underline{6,300} \text{ m}$$

$$0.9 \text{ m} = \underline{900} \text{ mm}$$

Lesson 10.1 · Metric length

2. Write the missing numbers.

$$580 \text{ cm} = \underline{5.8} \text{ m}$$

$$47 \text{ mm} = \underline{4.7} \text{ cm}$$

Lesson 10.1 · Metric length

3. Fill in the table.

Kilograms	1	2.8	0.55
Grams	1,000	2,800	550

Lesson 10.2 · Metric mass and liquid volume

4. Write $>$, $<$ or $=$ in each circle.

$$2.3 \text{ L} \bigcirc 2,400 \text{ mL}$$

$$1.5 \text{ L} \bigcirc 1,050 \text{ mL}$$

$$1.07 \text{ L} \bigcirc 1,070 \text{ mL}$$

Lesson 10.2 · Metric mass and liquid volume

5. Write the missing numbers. Write fractions in simplest form.

$$1 \frac{1}{2} \text{ mi} = \underline{2,640} \text{ yd}$$

$$5 \frac{1}{3} \text{ yd} = \underline{16} \text{ ft}$$

Lesson 10.3 · Customary length

6. Write the missing numbers. Write fractions in simplest form.

$$33 \text{ in.} = \underline{2 \frac{3}{4}} \text{ ft or } \underline{\frac{11}{4}} \text{ or } 2.75$$

$$20 \text{ ft} = \underline{6 \frac{2}{3}} \text{ yd or } \underline{\frac{20}{3}}$$

Lesson 10.3 · Customary length

7. Write the missing numbers. Write fractions in simplest form.

$$3 \frac{1}{2} \text{ tons} = \underline{7,000} \text{ lb}$$

$$2 \frac{3}{4} \text{ gal} = \underline{352} \text{ fl oz}$$

Lesson 10.4 · Customary weight and capacity

8. Write the missing numbers. Write fractions in simplest form.

$$36 \text{ oz} = \underline{2 \frac{1}{4}} \text{ lb or } \underline{\frac{9}{4}} \text{ or } 2.25$$

$$18 \text{ c} = \underline{4 \frac{1}{2}} \text{ qt or } \underline{\frac{9}{2}} \text{ or } 4.5$$

Lesson 10.4 · Customary weight and capacity

Measurement Conversions

Unit Review (page 2 of 2)

9. Read the story. Then answer.

A class has 3 kg of clay. Each of 12 students uses 150 g to make a pot. How many grams of clay are left?

$$3,000 - 12 \times 150 = 3,000 - 1,800 = 1,200$$

1,200 grams

Lesson 10.6 · Multi-step conversion stories

10. Read the story. Then answer.

Each bag of trail mix weighs 10 oz. How many pounds do 6 bags weigh?

$$6 \times 10 = 60, 60 \div 16 = 3 \frac{3}{4}$$

Or 3.75 or an equal fraction

3 $\frac{3}{4}$ pounds

Lesson 10.6 · Multi-step conversion stories

11. Write the missing numbers. Then answer the question.

4 weeks = **672** hours

6 hours = **21,600** seconds

A concert starts at 10:50 a.m. and ends at 2:30 p.m. How long is the concert?

3 hr **40** min

Lesson 10.5 · Units of time and elapsed time

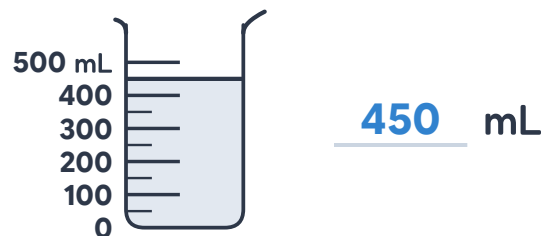
12. Circle the best estimate for each. Then write how much water is in the beaker.

The length of a marathon race:

42 cm 42 m **42 km**

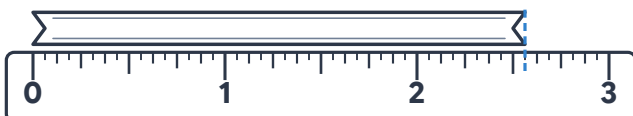
The mass of a slice of bread:

30 g 30 kg

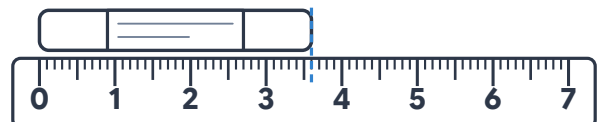


Lesson 10.7 · Choose a unit, estimate and measure

13. Measure the ribbon to the nearest sixteenth inch and the eraser to the nearest millimeter.



Ribbon: **2 $\frac{9}{16}$** inches



Eraser: **36** millimeters

Lesson 10.8 · Measure to the sixteenth inch and millimeter