

Estimating and Comparing Metric Measurements

Grade 5 | Metric units: length, mass, capacity | worksheetgalaxy.com

Name: _____

Date: _____

Part A

Circle the most reasonable estimate

1) Height of a classroom door

- a) 20 cm
- b) 2 m
- c) 2 km
- d) 20 mm



2) Mass of an apple

- a) 15 kg
- b) 150 mg
- c) 150 g
- d) 15 g



3) Capacity of a juice box

- a) 200 mL
- b) 2 L
- c) 200 L
- d) 2 mL



4) Length of a school bus

- a) 12 cm
- b) 12 km
- c) 1200 mm
- d) 12 m



5) Mass of a Grade 5 student

- a) 35 g
- b) 35 kg
- c) 350 mg
- d) 3 kg



6) Capacity of a bathtub

- a) 150 mL
- b) 15 L
- c) 1500 mL
- d) 150 L



7) Driving distance Toronto to Ottawa

- a) 450 m
- b) 45 km
- c) 450 km
- d) 4500 cm



8) Thickness of a one-dollar coin

- a) 2 mm
- b) 2 cm
- c) 20 cm
- d) 2 m



9) Mass of a small car

- a) 1500 g
- b) 15 kg
- c) 1500 kg
- d) 150 g



10) Capacity of a teaspoon

- a) 5 L
- b) 500 mL
- c) 50 mL
- d) 5 mL



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Part B

Circle the largest measurement in each set

- 1) a) 3 m
b) 250 cm
c) 3500 mm
d) 0.3 km

- 2) a) 2 kg
b) 2500 g
c) 250 g
d) 1800 g

- 3) a) 1 L
b) 1200 mL
c) 0.5 L
d) 900 mL

- 4) a) 5 km
b) 4500 m
c) 450 000 cm
d) 50 000 mm

- 5) a) 750 g
b) 0.8 kg
c) 8000 mg
d) 80 g

- 6) a) 2.5 L
b) 2000 mL
c) 300 mL
d) 0.25 L

Tip: in Part B the units are different, so convert them all to the same unit before you compare.

Estimating and Comparing Metric Measurements — ANSWER KEY

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Part A

Most reasonable estimate

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- b) 2 m**
- c) 2 km
- d) 20 mm



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- c) 150 g**
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- b) 35 kg**
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7) Driving distance Toronto to Ottawa

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- b) 45 km
- c) 450 km**
- d) 4500 cm



8) Thickness of a one-dollar coin

- a) 2 mm**
- b) 2 cm
- c) 20 cm
- d) 2 m



9) Mass of a small car

- a) 1500 g
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10) Capacity of a teaspoon

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Part B

Largest measurement, every option converted

1. a) $3\text{ m} = 3\text{ m}$ · b) $250\text{ cm} = 2.5\text{ m}$ · c) $3500\text{ mm} = 3.5\text{ m}$ · d) $0.3\text{ km} = 300\text{ m}$

largest: d) 0.3 km

2. a) $2\text{ kg} = 2\,000\text{ g}$ · b) $2500\text{ g} = 2\,500\text{ g}$ · c) $250\text{ g} = 250\text{ g}$ · d) $1800\text{ g} = 1\,800\text{ g}$

largest: b) 2500 g

3. a) $1\text{ L} = 1\,000\text{ mL}$ · b) $1200\text{ mL} = 1\,200\text{ mL}$ · c) $0.5\text{ L} = 500\text{ mL}$ · d) $900\text{ mL} = 900\text{ mL}$

largest: b) 1200 mL

4. a) $5\text{ km} = 5\,000\text{ m}$ · b) $4500\text{ m} = 4\,500\text{ m}$ · c) $450\,000\text{ cm} = 4\,500\text{ m}$ · d) $50\,000\text{ mm} = 50\text{ m}$

largest: a) 5 km

5. a) $750\text{ g} = 750\text{ g}$ · b) $0.8\text{ kg} = 800\text{ g}$ · c) $8000\text{ mg} = 8\text{ g}$ · d) $80\text{ g} = 80\text{ g}$

largest: b) 0.8 kg

6. a) $2.5\text{ L} = 2\,500\text{ mL}$ · b) $2000\text{ mL} = 2\,000\text{ mL}$ · c) $300\text{ mL} = 300\text{ mL}$ · d) $0.25\text{ L} = 250\text{ mL}$

largest: a) 2.5 L