

GRADE 4 MEASUREMENT

Printable Worksheet Pack

- Length: mm, cm, m and km
- Mass: g and kg
- Capacity: mL and L
- Converting units
- Comparing measurements
- Adding and subtracting measurements
- Multiplying measurements
- Real-life measurement problems
- Missing measurements, reasoning and mixed challenge
- Answer key included

Name: _____

Date: _____ Teacher: _____

Worksheet 1: Length

Grade 4 • Measurement

A. Convert the units.

1. 5 cm = _____ mm

2. 8 m = _____ cm

3. 3 km = _____ m

4. 420 mm = _____ cm

5. 700 cm = _____ m

6. 2,500 m = _____ km _____ m

B. Compare. Use >, < or =

7. 4 m _____ 390 cm

8. 650 mm _____ 65 cm

9. 2 km _____ 2,000 m

Worksheet 2: Mass

Grade 4 • Measurement

A. Convert the units.

1. 4 kg = _____ g

2. 7 kg = _____ g

3. 3,500 g = _____ kg _____ g

4. 2 kg 250 g = _____ g

5. 6,000 g = _____ kg

6. 1 kg 75 g = _____ g

B. Compare. Use >, < or =

7. 2 kg _____ 1,900 g

8. 750 g _____ 0.75 kg

9. 3 kg _____ 3,050 g

Worksheet 3: Capacity

Grade 4 • Measurement

A. Convert the units.

1. 5 L = _____ mL

2. 3 L = _____ mL

3. 4,500 mL = _____ L _____ mL

4. 2 L 250 mL = _____ mL

5. 7,000 mL = _____ L

6. 1 L 75 mL = _____ mL

B. Compare. Use >, < or =

7. 2 L _____ 1,900 mL

8. 750 mL _____ 0.75 L

9. 3 L _____ 3,050 mL

Worksheet 4: Add & Subtract Measurements

Grade 4 • Measurement

A. Solve. Keep the units consistent.

1. $2\text{ m } 35\text{ cm} + 1\text{ m } 40\text{ cm} = \underline{\hspace{2cm}}$

2. $5\text{ kg } 250\text{ g} + 2\text{ kg } 500\text{ g} = \underline{\hspace{2cm}}$

3. $3\text{ L } 400\text{ mL} + 1\text{ L } 750\text{ mL} = \underline{\hspace{2cm}}$

4. $6\text{ m } 20\text{ cm} - 2\text{ m } 75\text{ cm} = \underline{\hspace{2cm}}$

5. $8\text{ kg } 100\text{ g} - 3\text{ kg } 650\text{ g} = \underline{\hspace{2cm}}$

6. $7\text{ L } 200\text{ mL} - 2\text{ L } 850\text{ mL} = \underline{\hspace{2cm}}$

B. Reasoning

7. A ribbon is 4 m long. 1 m 75 cm is used. How much remains?

8. A bag weighs 5 kg. 2 kg 300 g is removed. What is the new mass?

Worksheet 5: Multiply Measurements

Grade 4 • Measurement

A. Multiply.

1. $3 \times 25 \text{ cm} =$ _____

2. $4 \times 2 \text{ m} =$ _____

3. $5 \times 300 \text{ g} =$ _____

4. $6 \times 250 \text{ mL} =$ _____

5. $4 \times 1 \text{ kg } 250 \text{ g} =$ _____

6. $3 \times 1 \text{ L } 500 \text{ mL} =$ _____

B. Real-life problems

7. A runner completes 4 laps of 350 m. How far does she run? _____

8. Each bottle holds 750 mL. How much is in 5 bottles? _____

Worksheet 6: Measurement Word Problems

Grade 4 • Measurement

A. Solve each problem.

1. A rope is 8 m long. 2 m 65 cm is cut off. How much rope remains?
2. A parcel weighs 3 kg 750 g. Another parcel weighs 2 kg 500 g. What is their total mass?
3. A jug holds 2 L. A bottle holds 750 mL. How much more can the jug hold?
4. A cyclist travels 4 km in the morning and 2 km 500 m in the afternoon. What is the total distance?
5. A tank contains 5 L of water. 1 L 750 mL is used. How much remains?
6. A shop receives 6 boxes, each weighing 2 kg 250 g. What is the total mass?

B. Challenge

7. A 10 m ribbon is cut into pieces of 75 cm each. How many complete pieces can be made, and how much ribbon remains?

Worksheet 7: Missing Measurements & True/False

Grade 4 • Measurement

A. Find the missing amount.

1. $3 \text{ m} + \underline{\hspace{2cm}} = 5 \text{ m}$

2. $2 \text{ kg} + \underline{\hspace{2cm}} = 5 \text{ kg } 500 \text{ g}$

3. $\underline{\hspace{2cm}} + 750 \text{ mL} = 2 \text{ L}$

4. $7 \text{ m} - \underline{\hspace{2cm}} = 4 \text{ m } 25 \text{ cm}$

5. $5 \text{ kg} - \underline{\hspace{2cm}} = 2 \text{ kg } 750 \text{ g}$

6. $4 \text{ L} - \underline{\hspace{2cm}} = 1 \text{ L } 500 \text{ mL}$

B. True or False

7. $1 \text{ m} = 100 \text{ cm}.$

8. $1 \text{ kg} = 100 \text{ g}.$

9. $1 \text{ L} = 1,000 \text{ mL}.$

10. $250 \text{ cm} = 2 \text{ m } 50 \text{ cm}.$

11. $3 \text{ kg } 200 \text{ g} = 3,200 \text{ g}.$

C. Correct the false statement.

12. Correct #8: _____

Worksheet 8: Mixed Measurement Challenge

Grade 4 • Measurement

A. Solve.

1. Which is longer: 2 m 40 cm or 235 cm? By how much?
2. A baker has 5 kg of flour and uses 2 kg 750 g. How much flour remains?
3. A container has 3 L 500 mL of juice. How much is left after 1 L 750 mL is served?
4. Five lengths of 85 cm are joined. What is the total length?
5. A truck carries 4 boxes weighing 2 kg 750 g each. What is the total mass?
6. A 6 m ribbon is cut into 4 equal pieces. How long is each piece?

B. Measurement detective

7. Find one object at home that you could measure in cm, one in kg, and one in litres. Write the object and a sensible measurement for each.

Answer Key: Grade 4 Measurement

Grade 4 • Measurement

Worksheet 1

1. 50 mm 2. 800 cm 3. 3,000 m 4. 42 cm 5. 7 m 6. 2 km
500 m
7. > 8. = 9. =

Worksheet 5

1. 75 cm 2. 8 m 3. 1,500 g 4. 1,500 mL 5. 5 kg 6. 4 L
500 mL
7. 1,400 m 8. 3,750 mL

Worksheet 2

1. 4,000 g 2. 7,000 g 3. 3 kg 500 g 4. 2,250 g 5. 6 kg 6.
1,075 g
7. > 8. = 9. <

Worksheet 6

1. 5 m 35 cm 2. 6 kg 250 g 3. 1 L 250 mL
4. 6 km 500 m 5. 3 L 250 mL 6. 13 kg 500 g
7. 13 complete pieces; 25 cm remains

Worksheet 3

1. 5,000 mL 2. 3,000 mL 3. 4 L 500 mL 4. 2,250 mL 5. 7
L 6. 1,075 mL
7. > 8. = 9. <

Worksheet 7

1. 2 m 2. 3 kg 500 g 3. 1 L 250 mL
4. 2 m 75 cm 5. 2 kg 250 g 6. 2 L 500 mL
7. True 8. False 9. True 10. True 11. True
12. 1 kg = 1,000 g.

Worksheet 4

1. 3 m 75 cm 2. 7 kg 750 g 3. 5 L 150 mL
4. 3 m 45 cm 5. 4 kg 450 g 6. 4 L 350 mL
7. 2 m 25 cm 8. 2 kg 700 g

Worksheet 8

1. 2 m 40 cm is longer by 5 cm 2. 2 kg 250 g
3. 1 L 750 mL 4. 4 m 25 cm 5. 11 kg 6. 1 m 50 cm
7. Answers vary; sensible examples accepted.