

Measurement

Unit Test, Form A (page 1 of 2)

Score _____ / 12

1. Fill in the table and the blank.

Kilometers	1	2	4	7
Meters	1,000			

6 cm = _____ mm

2. Write the missing numbers. Then write >, < or = in the circle.

4 kg = _____ g

7 L = _____ mL

6 kg ○ 6,500 g

3. Fill in the table and the blank.

Feet	1	6	7	9
Inches	12			

9 yd = _____ ft

4. Write the missing numbers. Then write >, < or = in the circle.

6 lb = _____ oz

8 gal = _____ qt

5 qt ○ 11 pt

5. Fill in the table and the blank.

Hours	1	5	7	9
Minutes	60			

6 min = _____ s

6. How much time passes from the start to the end?

Start (a.m.)



End (a.m.)



_____ hr _____ min

Measurement

Unit Test, Form A (page 2 of 2)

7. Read the story. Write the end time.

Soccer practice starts at **3:40 p.m.** It lasts **1 hour 45 minutes**. What time does it end?



8. Use the number line to solve.

A jug holds **2 liters** of lemonade. Each cup holds **250 milliliters**. How many cups can be filled?



9. Read the story. Then answer.

A board is **4 feet** long. Dad cuts off **15 inches**. How many inches of board are left?

_____ inches

10. Solve each story.

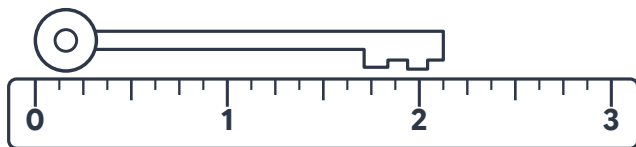
A batch of oatmeal uses $\frac{2}{3}$ cup of oats. How many cups do **4 batches** use?

_____ cups

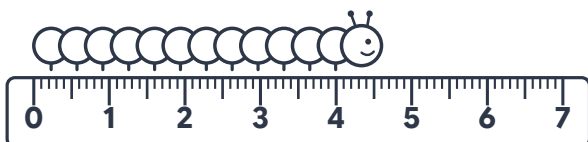
A plant is **0.6 meter** tall. It grows **0.25 meter**. How tall is it now?

_____ meters

11. Measure each one.



Key: _____ inches



Caterpillar: _____ millimeters

12. Circle the best unit or tool.

The distance between two towns:

cm m km

The mass of a feather:

g kg

To find how heavy a cat is:

ruler scale measuring cup clock

Measurement

Unit Test, Form B (page 1 of 2)

Score _____ / 12

1. Fill in the table and the blank.

Kilometers	1	5	6	8
Meters	1,000			

9 cm = _____ mm

2. Write the missing numbers. Then write >, < or = in the circle.

9 kg = _____ g

5 L = _____ mL

3 kg ○ 3,200 g

3. Fill in the table and the blank.

Feet	1	8	10	11
Inches	12			

11 yd = _____ ft

4. Write the missing numbers. Then write >, < or = in the circle.

7 lb = _____ oz

9 gal = _____ qt

7 qt ○ 15 pt

5. Fill in the table and the blank.

Hours	1	8	10	12
Minutes	60			

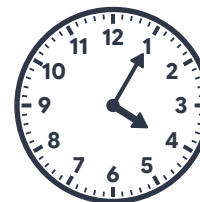
11 min = _____ s

6. How much time passes from the start to the end?

Start (p.m.)



End (p.m.)



_____ hr _____ min

Measurement

Unit Test, Form B (page 2 of 2)

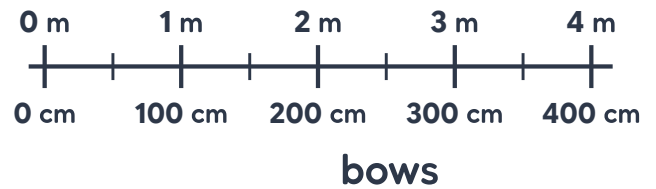
7. Read the story. Write the end time.

A swim class starts at **9:25 a.m.** It lasts **1 hour 50 minutes**. What time does it end?



8. Use the number line to solve.

A ribbon is **4 meters** long. Each bow takes **50 centimeters**. How many bows can be made?



9. Read the story. Then answer.

A rope is **3 yards** long. Max cuts off **5 feet**. How many feet of rope are left?

_____ feet

10. Solve each story.

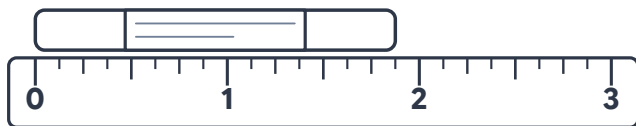
A lap of a trail is $\frac{3}{4}$ mile. How many miles are **3 laps**?

_____ miles

Nuts weigh **0.4 kilogram**. Seeds weigh **0.35 kilogram**. How much is that in all?

_____ kilograms

11. Measure each one.



Eraser: _____ inches



Paper clip: _____ millimeters

12. Circle the best unit or tool.

The length of an ant:

mm m km

The mass of a horse:

g kg

To find how long a table is:

ruler scale measuring cup clock

Measurement

Unit Test, Form A (page 1 of 2)

Score _____ / 12

1. Fill in the table and the blank.

Kilometers	1	2	4	7
Meters	1,000	2,000	4,000	7,000

6 cm = 60 mm

Lesson 11.1 · Metric length

2. Write the missing numbers. Then write >, < or = in the circle.

4 kg = 4,000 g

7 L = 7,000 mL

6 kg < 6,500 g

Lesson 11.2 · Metric mass and liquid volume

3. Fill in the table and the blank.

Feet	1	6	7	9
Inches	12	72	84	108

9 yd = 27 ft

Lesson 11.3 · Customary length

4. Write the missing numbers. Then write >, < or = in the circle.

6 lb = 96 oz

8 gal = 32 qt

5 qt < 11 pt

Lesson 11.4 · Customary weight and capacity

5. Fill in the table and the blank.

Hours	1	5	7	9
Minutes	60	300	420	540

6 min = 360 s

Lesson 11.5 · Units of time

6. How much time passes from the start to the end?

Start (a.m.)



End (a.m.)



1 hr 35 min

Lesson 11.6 · Elapsed time

Measurement

Unit Test, Form A (page 2 of 2)

7. Read the story. Write the end time.

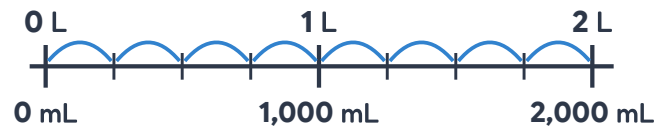
Soccer practice starts at **3:40 p.m.** It lasts **1 hour 45 minutes**. What time does it end?

5:25 p.m.

Lesson 11.6 · Elapsed time

8. Use the number line to solve.

A jug holds **2 liters** of lemonade. Each cup holds **250 milliliters**. How many cups can be filled?



8 cups

Lesson 11.7 · Measurement stories

9. Read the story. Then answer.

A board is **4 feet** long. Dad cuts off **15 inches**. How many inches of board are left?

33 inches

Lesson 11.7 · Measurement stories

10. Solve each story.

A batch of oatmeal uses $\frac{2}{3}$ cup of oats. How many cups do **4 batches** use?

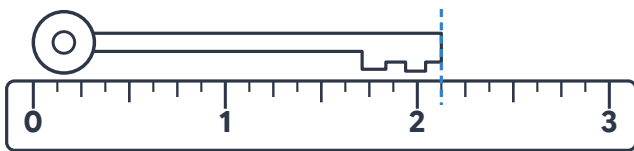
$2\frac{2}{3}$ cups (or $\frac{8}{3}$)

A plant is **0.6 meter** tall. It grows **0.25 meter**. How tall is it now?

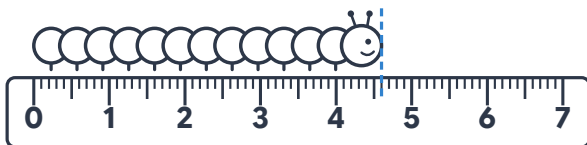
0.85 meters

Lesson 11.8 · Stories with fractions and decimals

11. Measure each one.



Key: **$2\frac{1}{8}$** inches



Caterpillar: **46** millimeters

Lesson 11.9 · Measure to the eighth inch and millimeter

12. Circle the best unit or tool.

The distance between two towns:

cm m **km**

The mass of a feather:

g kg

To find how heavy a cat is:

ruler **scale** measuring cup clock

Lesson 11.10 · Choose a unit and a tool

Measurement

Unit Test, Form B (page 1 of 2)

Score _____ / 12

1. Fill in the table and the blank.

Kilometers	1	5	6	8
Meters	1,000	5,000	6,000	8,000

$$9 \text{ cm} = \underline{90} \text{ mm}$$

Lesson 11.1 · Metric length

2. Write the missing numbers. Then write $>$, $<$ or $=$ in the circle.

$$9 \text{ kg} = \underline{9,000} \text{ g}$$

$$5 \text{ L} = \underline{5,000} \text{ mL}$$

$$3 \text{ kg} \bigcirc 3,200 \text{ g}$$

Lesson 11.2 · Metric mass and liquid volume

3. Fill in the table and the blank.

Feet	1	8	10	11
Inches	12	96	120	132

$$11 \text{ yd} = \underline{33} \text{ ft}$$

Lesson 11.3 · Customary length

4. Write the missing numbers. Then write $>$, $<$ or $=$ in the circle.

$$7 \text{ lb} = \underline{112} \text{ oz}$$

$$9 \text{ gal} = \underline{36} \text{ qt}$$

$$7 \text{ qt} \bigcirc 15 \text{ pt}$$

Lesson 11.4 · Customary weight and capacity

5. Fill in the table and the blank.

Hours	1	8	10	12
Minutes	60	480	600	720

$$11 \text{ min} = \underline{660} \text{ s}$$

Lesson 11.5 · Units of time

6. How much time passes from the start to the end?

Start (p.m.)



End (p.m.)



$$\underline{1} \text{ hr } \underline{40} \text{ min}$$

Lesson 11.6 · Elapsed time

Measurement

Unit Test, Form B (page 2 of 2)

7. Read the story. Write the end time.

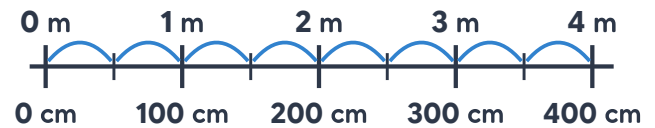
A swim class starts at **9:25 a.m.** It lasts **1 hour 50 minutes**. What time does it end?



Lesson 11.6 · Elapsed time

8. Use the number line to solve.

A ribbon is **4 meters** long. Each bow takes **50 centimeters**. How many bows can be made?



8 bows

Lesson 11.7 · Measurement stories

9. Read the story. Then answer.

A rope is **3 yards** long. Max cuts off **5 feet**. How many feet of rope are left?

4 feet

Lesson 11.7 · Measurement stories

10. Solve each story.

A lap of a trail is $\frac{3}{4}$ mile. How many miles are **3 laps**?

$2\frac{1}{4}$ miles (or $\frac{9}{4}$)

Nuts weigh **0.4 kilogram**. Seeds weigh **0.35 kilogram**. How much is that in all?

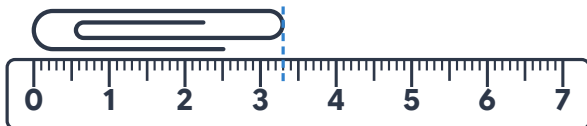
0.75 kilograms

Lesson 11.8 · Stories with fractions and decimals

11. Measure each one.



Eraser: **$1\frac{7}{8}$** inches



Paper clip: **33** millimeters

Lesson 11.9 · Measure to the eighth inch and millimeter

12. Circle the best unit or tool.

The length of an ant:

mm m km

The mass of a horse:

g **kg**

To find how long a table is:

ruler scale measuring cup clock

Lesson 11.10 · Choose a unit and a tool