



TABE Math-E

PAXEN

Unit-5 Measurement and Data

Lesson 35

Measure and
Compare Lengths

Revised: October 16, 2023

Nolan Tombouliau

Some graphics may not have copied well during the scan process.

Math-E - Lesson 35 – Compare Lengths

Lesson 35

Measure and Compare Lengths

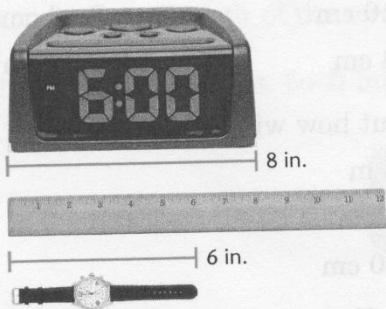
2.MD.4 – Low

You can measure and compare lengths of different objects.

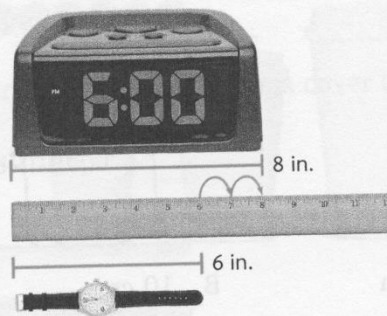
Example How much longer is the alarm clock than the watch?



- 1) Measure each object.
The alarm clock is 8 inches long.
The watch is 6 inches long.



- 2) Subtract to find the difference.

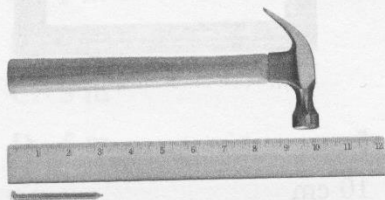


$$8 - 6 = 2 \text{ inches}$$

The alarm clock is 2 inches longer than the watch.

Test Example

1. How much longer is the hammer than the nail?



- A. 3 in. B. 7 in.
C. 10 in. D. 13 in.

1. **B** Subtract the larger measurement, 10 inches, minus the smaller measurement, 3 inches. The difference is 7 inches.

Strategy

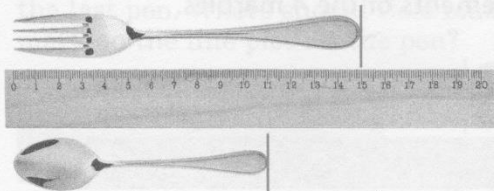
Start at the measurement of the nail. Then count on until you reach the measurement of the hammer.

Math-E - Lesson 35 – Compare Lengths

Practice

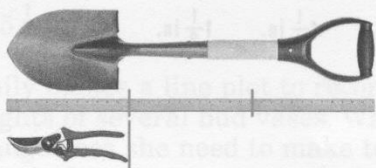
Read each question. Select the correct answer.

- 1 How much longer is the fork than the spoon?



- A. 16 cm B. 11 cm
C. 5 cm D. 4 cm

- 2 How much longer is the shovel than the garden shears? Each ruler represents one foot.



- A. 8 ft B. 5 ft
C. 3 ft D. 2 ft

- 3 Paige has 12 feet of ribbon. Andrea has 4 feet of ribbon. How many more feet of ribbon does Paige have than Andrea?

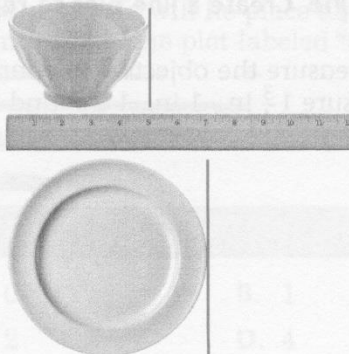
- A. 8 ft B. 10 ft
C. 12 ft D. 16 ft

- 4 How much wider is the living room than the dining room?

Object	Width
Living room	10 meters
Dining room	6 meters
Closet	3 meters

- A. 3 m
B. 4 m
C. 7 m
D. 16 m

- 5 How much wider is the plate than the bowl? Select the correct equation.

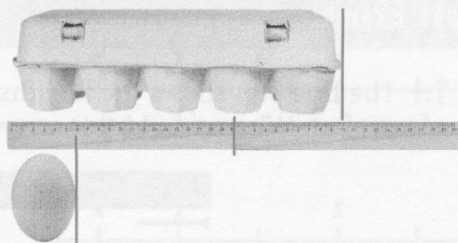


- A. $7 - 5 = 2$ inches
B. $7 + 5 = 12$ inches
C. $7 + 2 = 9$ inches
D. $9 + 2 = 11$ inches

- 6 Lacey's tablet is 15 centimeters wide. Her charging station is 24 centimeters wide. How much wider is the charging station than the tablet?

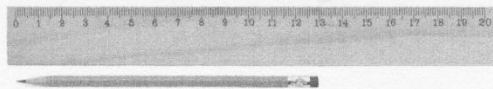
- A. 39 cm B. 24 cm
C. 9 cm D. 15 cm

- 7 How much longer is the egg carton than the egg? Each ruler represents 20 centimeters.



- A. 24 cm B. 26 cm
C. 32 cm D. 36 cm

- 8 Grace has a pen and a pencil that are different lengths. The pen is 10 centimeters long. How much longer is the pencil than the pen?



- A. 23 cm B. 13 cm
C. 3 cm D. 2 cm

Math-E - Practice 35 – Compare Lengths

Lesson 35

Measure and Compare Lengths

(2.MD.4)

1. D. The difference can be found by subtracting,
 $15 - 11 = 4$ centimeters.
2. D. The difference can be found by subtracting,
 $3 - 1 = 2$ ft.
3. A. The difference can be found by subtracting,
 $12 - 4 = 8$ feet.
4. B. The difference can be found by subtracting,
 $10 - 6 = 4$ meters.
5. A. The plate is 2 inches longer than the bowl
because $7 - 5 = 2$.
6. C. The difference can be found by subtracting,
 $24 - 15 = 9$ centimeters.
7. A. The difference can be found by subtracting,
 $30 - 6 = 24$ centimeters.
8. C. The difference can be found by subtracting,
 $13 - 10 = 3$ centimeters.

Math-E - Practice 35 – Compare Lengths

Practice 35

Measure and Compare Lengths

2.MD.4 – Low

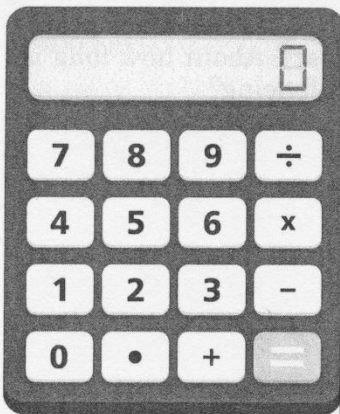
1 A drawer is 17 inches long. A key is 3 inches long. How much longer is the drawer than the key?

- A. 3 in.
- B. 8 in.
- C. 11 in.
- D. 14 in.

2 Nur has a pool with a depth of 7 feet. Zahra has a pool with a depth of 12 feet. How much deeper is Zahra's pool than Nur's pool?

- A. 5 ft
- B. 7 ft
- C. 12 ft
- D. 19 ft

3 How much longer is the calculator than the credit card?

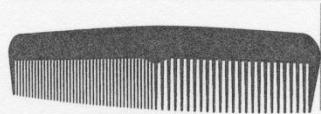
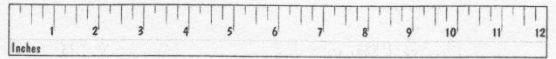


- A. 3 cm
- B. 4 cm
- C. 5 cm
- D. 6 cm

4 Emiliano has a car that is 11 feet long. Gael has a truck that is 18 feet long. How much longer is Gael's truck than Emiliano's car?

- A. 4 ft
- B. 7 ft
- C. 11 ft
- D. 29 ft

5 How much longer is the comb than the hearing aid?



- A. 2 in.
- B. 3 in.
- C. 5 in.
- D. 7 in.

6 Which three pairs of items have one item that is exactly 6 feet greater than the other item?

- A. a 12-foot-long room and a 6-foot-long counter
- B. a 3-foot-tall stool and a 6-foot-tall dresser
- C. a 7-foot-tall door and a 13-foot-tall pillar
- D. a 9-foot-wide rug and a 14-foot-wide patio
- E. a 12-foot-tall tree and a 5-foot-tall fence
- F. a 14-foot-long shed and a 20-foot-long garden

7 A banana is 20 centimeters long. An apple is 9 centimeters long. How much longer is the banana than the apple?

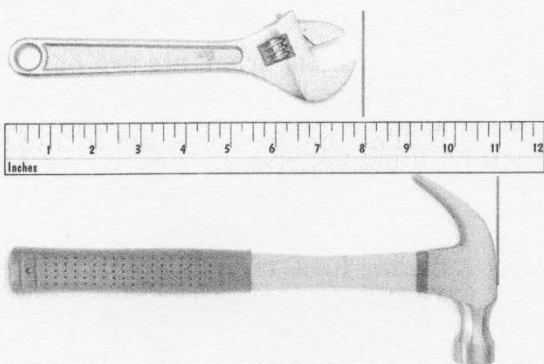
- A. 5 cm
- B. 6 cm
- C. 8 cm
- D. 11 cm

Math-E - Practice 35 – Compare Lengths

- 8 Cindy decorates her living room table with the objects shown in the chart. How much taller is the tallest object on her table than the shortest object?

Object	Height
candle	18 centimeters
cup	14 centimeters
vase	43 centimeters

- A. 14 cm B. 18 cm
C. 25 cm D. 29 cm
- 9 How much longer is the hammer than the wrench?



- A. 3 in. B. 6 in.
C. 8 in. D. 11 in.
- 10 Lamonte caught a 5-yard pass. Rashaad caught a 17-yard pass. How much longer was the pass Rashaad caught than the pass Lamonte caught?

- A. 5 yd B. 7 yd
C. 12 yd D. 22 yd

- 11 A jackhammer is 36 inches long. A hard hat is 13 inches long. How much longer is the jackhammer than the hard hat?

- A. 10 in. B. 13 in.
C. 19 in. D. 23 in.

- 12 How much taller is a 48-inch hedge than a 16-inch flower?

- A. 32 in. B. 26 in.
C. 22 in. D. 18 in.

- 13 A coach holds tryouts for kickers for his football team. One participant kicks the ball 37 yards, and a second participant kicks the ball 52 yards. How much farther does the first participant need to kick the ball to match the length of the second participant's kick?

- A. 12 yd
B. 15 yd
C. 17 yd
D. 25 yd

- 14 A keyboard is 20 inches long. A mouse is 4 inches long. How much longer is the keyboard than the mouse?

- A. 5 in. B. 12 in.
C. 16 in. D. 24 in.

- 15 Katie's ceiling is 9 feet high. Miranda's ceiling is 16 feet high. How much higher is Miranda's ceiling than Katie's ceiling?

- A. 5 ft B. 7 ft
C. 9 ft D. 12 ft

- 16 A hiking boot is 35 centimeters long. A glove is 23 centimeters long. How much longer is the boot than the glove?

- A. 12 cm
B. 16 cm
C. 22 cm
D. 23 cm

- 17 How much wider is a 36-foot road than a 24-foot road?

- A. 4 ft
B. 6 ft
C. 9 ft
D. 12 ft

- 18 Hao has a 22-foot-long driveway. Gan has a 49-foot-long driveway. How much longer is Gan's driveway than Hao's driveway?

- A. 13 ft B. 17 ft
C. 22 ft D. 27 ft

Math-E - Lesson 35 – Compare Lengths

Practice 35

Measure and Compare Lengths

pp. 10–11

(2.MD.4)

1. D. The difference can be found by subtracting;
 $17 - 3 = 14$ inches.
2. A. The difference can be found by subtracting;
 $12 - 7 = 5$ feet.
3. B. The difference can be found by subtracting;
 $13 - 9 = 4$ centimeters.
4. B. The difference can be found by subtracting;
 $18 - 11 = 7$ feet.
5. C. The difference can be found by subtracting;
 $7 - 2 = 5$ inches.
6. A, C, F. The differences can be found by subtracting;
 $12 - 6 = 6$ feet, $13 - 7 = 6$ feet,
 $20 - 14 = 6$ feet.
7. D. The difference can be found by subtracting;
 $20 - 9 = 11$ centimeters.
8. D. The difference can be found by subtracting;
 $43 - 14 = 29$ centimeters.
9. A. The difference can be found by subtracting;
 $11 - 8 = 3$ inches.
10. C. The difference can be found by subtracting;
 $17 - 5 = 12$ yards.
11. D. The difference can be found by subtracting;
 $36 - 13 = 23$ inches.

12. A. The difference can be found by subtracting;
 $48 - 16 = 32$ inches.
13. B. The difference can be found by subtracting;
 $52 - 37 = 15$ yards.
14. C. The difference can be found by subtracting;
 $20 - 4 = 16$ inches.
15. B. The difference can be found by subtracting;
 $16 - 9 = 7$ feet.
16. A. The difference can be found by subtracting;
 $35 - 23 = 12$ centimeters.
17. D. The difference can be found by subtracting;
 $36 - 24 = 12$ feet.
18. D. The difference can be found by subtracting;
 $49 - 22 = 27$ feet.