

Have a referent for units (mm, cm, m, km)

1. Tell me something that is 1 mm
2. Tell me something that is 1 m
3. Tell me something that is 1 km
4. Tell me something that is 1 cm



Have a referent for units (mm, cm, m, km)

1. Tell me something that is 1 mm
The length of a grain of sand, thickness of a dime

2. Tell me something that is 1 m
The length of a guitar, the length from the floor to door handle

3. Tell me something that is 1 km
A 10 minute walk on the beach, 12 city blocks, 10 soccer fields

4. Tell me something that is 1 cm
Width of a marble, the length of a fingernail, width of a staple



Can estimate (mm, cm, m, km)

5.



Flash Drive

- A. 30 centimeters
- B. 60 centimeters
- C. 6 centimeters
- D. 15 centimeters

6.



Screw

- A. 20 centimeters
- B. 25 centimeters
- C. 3 centimeters
- D. 1 meter

7.



Ferris Wheel

- A. 30 centimeters
- B. 5 meters
- C. 50 kilometers
- D. 23 meters

8.



Key

- A. 5 centimeters
- B. 2 meters
- C. 15 centimeters
- D. 150 centimeters

Can estimate (mm, cm, m, km)

5.



Flash Drive

- A. 30 centimeters
- B. 60 centimeters
- C. 6 centimeters
- D. 15 centimeters

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Screw

- A. 20 centimeters
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Ferris Wheel

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Key

- A. 5 centimeters
- B. 2 meters
- C. 15 centimeters
- D. 150 centimeters

Choose appropriate unit

9. What would you use to measure a trampoline?
10. What would you use to measure the thickness of a credit card?
11. What would you use to measure the distance from earth to the moon?
12. What would you use to measure the height of a soup can?

Choose appropriate unit

9. What would you use to measure a trampoline?

meters (m)

10. What would you use to measure the thickness of a credit card?

mm

11. What would you use to measure the distance from earth to the moon?

km

12. What would you use to measure the height of a soup can?

cm

Develop some flexibility moving between units and renaming measurements

13. 10 mm = _____ cm

14. 200 cm = _____ m

15. 1500 m = _____ km

16. 1 km = _____ cm

Develop some flexibility moving between units and renaming measurements

$$13. 10 \text{ mm} = \underline{\quad 1 \quad} \text{ cm}$$

$$14. 200 \text{ cm} = \underline{\quad 2 \quad} \text{ m}$$

$$15. 1500 \text{ m} = \underline{\quad 1.5 \quad} \text{ km}$$

$$16. 1 \text{ km} = \underline{\quad 100\,000 \quad} \text{ cm}$$

1500

1.5

Have a referent for units (mL and L)

17. Tell me something that is 250 ml

18. Tell me something that is 1 L

19. Tell me something that is 500 ml

Have a referent for units (mL and L)

17. Tell me something that is 250 ml

Small chocolate milk carton, pop can, 1 cup, soup can,

18. Tell me something that is 1 L

Apple juice, skinny milk carton, ketchup

19. Tell me something that is 500 ml

bottle of water,

estimate capacity

20.



21.



22.

10 mL or 500 mL



estimate capacity

20.



21.



22.

10 mL or 500 mL



Use relationship between mL and L to solve problems

23. 1 L = _____ ml

24. 2000 ml = _____ L

25. 4.5 L = _____ ml

Use relationship between mL and L to solve problems

23. $1 \text{ L} = \underline{\quad 1000 \quad} \text{ ml}$

24. $2000 \text{ ml} = \underline{\quad 2 \quad} \text{ L}$

25. $4.5 \text{ L} = \underline{\quad 4500 \quad} \text{ ml}$

4500.

