

# Measurement

## Skill 4 - 18A

### Metric Length

Test question 18A. answer: 3 centimeters

#### Metric Units of Length

1 centimeter (cm) = 10 millimeters (mm)

1 decimeter (dm) = 10 centimeters

1 meter (m) = 100 centimeters

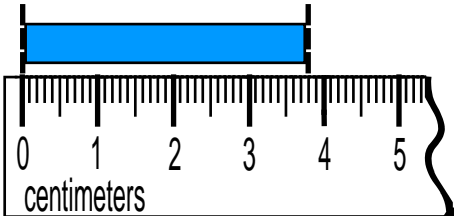
1 kilometer (km) = 1,000 meters

The millimeter, centimeter, decimeter, meter and kilometer are metric units of measurement.

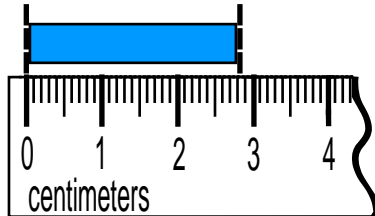
These measurements are metric units of length or distance.

**Directions:** What is the length of each object to the nearest centimeter? Write on the line below each ruler.

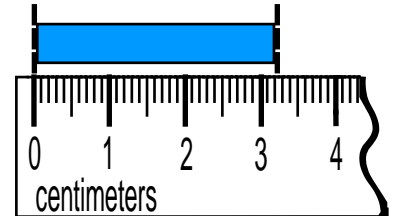
1.



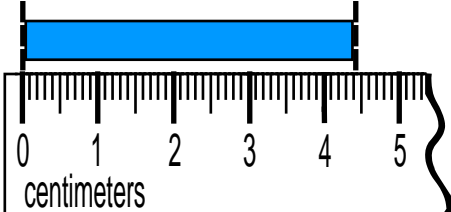
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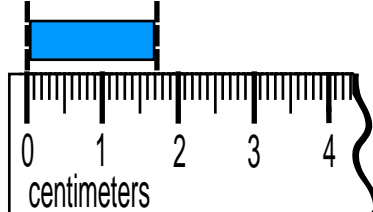
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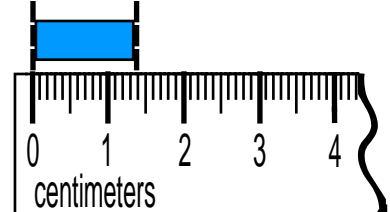
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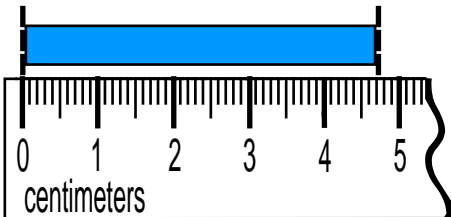
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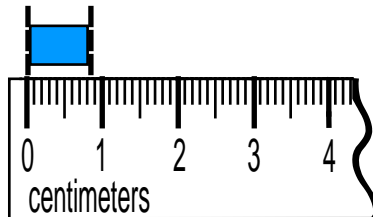
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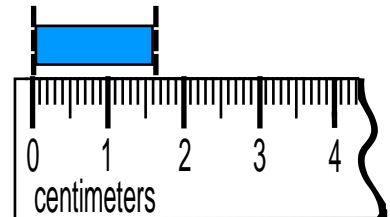
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8.



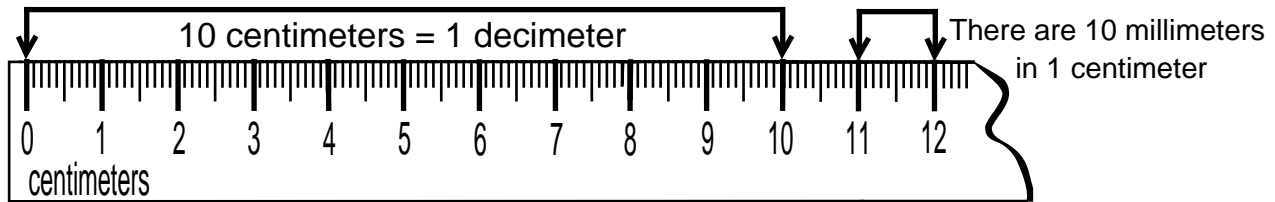
9.



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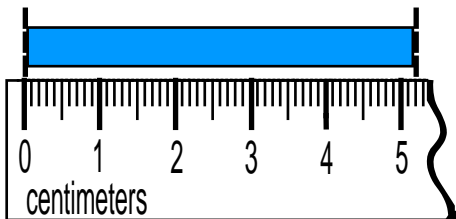
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### Metric Length

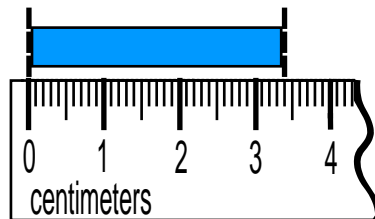


**Directions:** What is the length of each object to the nearest centimeter? Write on the line below each ruler.

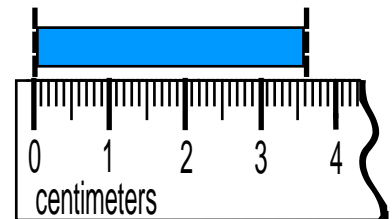
10.



11.

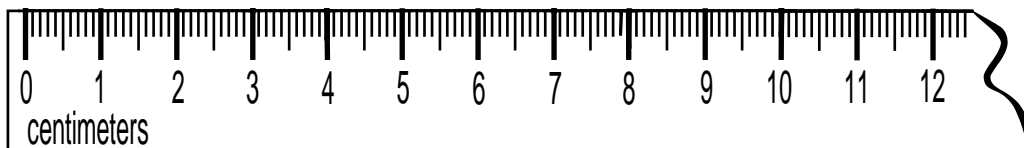


12.



**Directions:** Label the centimeter ruler as shown above. Show the length of a decimeter and a centimeter. Also, show that you know what marks show a millimeter measurement.

13.



**Directions:** Answer the following questions.

14. How many millimeters are in 1 centimeter?

15. How many meters are in 1 kilometer?

16. How many centimeters are in 1 decimeter?

17. How many centimeters are in 1 meter?

18. How many millimeters are in a decimeter?

19. The thickness of a dime is about 1 \_\_\_\_\_?  
a. mm b. cm c. dm d. m20. The width of your index finger is about 1 \_\_\_\_\_?  
a. mm b. cm c. dm d. m21. The width of an adult's hand about 1 \_\_\_\_\_?  
a. mm b. cm c. dm d. m22. The width of a door is about 1 \_\_\_\_\_?  
a. mm b. cm c. dm d. m

23. 1 cm = \_\_\_\_\_ mm      24. 1 dm = \_\_\_\_\_ cm

# Measurement

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### Metric Length







**Directions:** Estimate the length of each object and then measure.

25. a pencil                      estimate \_\_\_\_\_                      measurement: about \_\_\_\_\_
26. a stapler                      estimate \_\_\_\_\_                      measurement: about \_\_\_\_\_
27. your shoe                      estimate \_\_\_\_\_                      measurement: about \_\_\_\_\_
28. your desk                      estimate \_\_\_\_\_                      measurement: about \_\_\_\_\_
29. your math book                      estimate \_\_\_\_\_                      measurement: about \_\_\_\_\_
30. your notebook                      estimate \_\_\_\_\_                      measurement: about \_\_\_\_\_

**Directions:** Write the most reasonable unit of measure. Write mm, cm, dm, m, km.

31. thickness of a coin \_\_\_\_\_                      32. length of a pencil \_\_\_\_\_
33. distance between 2 cities \_\_\_\_\_                      34. height of a chair \_\_\_\_\_
35. width of a playground \_\_\_\_\_                      36. length of your classroom \_\_\_\_\_

**Directions:** Estimate the length of each line and then measure each line. Write the length to the nearest centimeter.

37. 	estimate _____	measure: about _____
38. 	estimate _____	measure: about _____
39. 	estimate _____	measure: about _____
40. 	estimate _____	measure: about _____
41. 	estimate _____	measure: about _____
42. 	estimate _____	measure: about _____
43. 	estimate _____	measure: about _____

Answers: Skill 18A, Grade 4

- |             |         |          |          |          |         |         |
|-------------|---------|----------|----------|----------|---------|---------|
| 1. 4cm      | 2. 3cm  | 3. 3cm   | 4. 4 cm  | 5. 2 cm  | 6. 1 cm | 7. 5 cm |
| 8. 1 cm     | 9. 2 cm | 10. 5 cm | 11. 3 cm | 12. 4 cm | 13.     | 14. 10  |
| 15. 1,000 m | 16. 10  | 17. 100  | 18. 100  | 19. mm   | 20. cm  | 21. dm  |
| 22. m       | 23. 10  | 24. 10   | 25.      | 26.      | 27.     | 28.     |
| 29.         | 30.     | 31. mm   | 32. cm   | 33. km   | 34. cm  | 35. m   |
| 36. m       |         |          |          |          |         |         |