

Measurement

Skill 4 - 18B

Metric Length: Equivalent Measures

Test Question 18B: answers: 50 mm = 5 cm; 2 km = 2,000 m; 1 m = 1,000 mm

Equivalent Measures

1 centimeter (cm) = 10 millimeters (mm)

1 meter = 1,000 millimeters

1 decimeter (dm) = 10 centimeters

1 meter = 10 decimeters

1 meter (m) = 100 centimeters

1 kilometer = 1,000 meters

Example

$$10 \text{ cm} = \underline{\hspace{2cm}} \text{ mm}$$

When changing larger units to smaller units,
multiply.

centimeters	millimeters	millimeters
	in 1 centimeter	
↓	↓	↓
10	x 10	= 100

Example

$$200 \text{ mm} = \underline{\hspace{2cm}} \text{ cm}$$

When changing smaller units to larger units,
divide.

millimeters	millimeters	centimeters
	in 1 centimeter	
↓	↓	↓
200	÷ 10	= 20

Directions: Complete.

1. 5 cm = _____ mm

2. 100 mm = _____ cm

3. 1 dm = _____ cm

4. 10 m = _____ cm

5. 2 km = _____ m

6. 10 mm = _____ cm

7. 10 km = _____ m

8. 100 cm = _____ dm

9. 10 dm = _____ m

10. 1,000 m = _____ km

11. 100 dm = _____ m

12. 100 cm = _____ mm

13. 300 mm = _____ cm

14. 10 cm = _____ mm

15. 10 m = _____ dm

16. 80 mm = _____ cm

17. 8 km = _____ m

18. 20 cm = _____ mm

Measurement**Skill 4 - 18B****Metric Length****Directions:** Compare. Write $<$, $>$, or $=$.

19. 10 mm _____ 10 cm

20. 10 cm _____ 1 dm

21. 50 cm _____ 10 dm

22. 100 cm _____ 10 m

23. 1 km _____ 2,000 m

24. 10 m _____ 1,000 mm

25. 8 mm _____ 8 cm

26. 1,000 m _____ 8 km

27. 20 cm _____ 2 dm

28. 100 mm _____ 1 cm

29. 2 m _____ 50 dm

30. 100 cm _____ 10 dm

31. 10 cm _____ 10 mm

32. 500 m _____ 5 km

33. 8,000 m _____ 8 km

34. 10 cm _____ 10 dm

35. 50 m _____ 50,000 mm

36. 2 km _____ 5,000 m

37. 10 mm _____ 10 cm

38. 50 cm _____ 10 dm

39. 10 cm _____ 1 dm

Directions: Order from least to greatest.

40. 3 dm, 1 m, 10 cm, 100 m

41. 10 m, 100 cm, 2 dm, 1 km

42. 10 m, 8 dm, 10 cm, 10 mm

43. 30 m, 1,000 dm, 50 cm, 2,000 mm

44. 12 m, 5 km, 500 cm, 5m

45. 100 m, 100 cm, 10 km, 100 dm

46. 40 m, 25 dm, 60 cm, 1,000 mm

47. 75 km, 100 m, 1,000 mm, 10 cm

Answers: Skill 18B, Grade 4

1. 50 mm 2. 10 cm 3. 10 cm 4. 1,000 cm 5. 2,000 m 6. 1 cm 7. 10,000 m
8. 10 dm 9. 1 m 10. 1 km 11. 10 m 12. 1,000 mm 13. 30 cm 14. 100 mm
15. 100 dm 16. 8 cm 17. 8,000 m 18. 200 mm 19. < 20. = 21. <
22. < 23. < 24. > 25. < 26. < 27. = 28. >
29. < 30. = 31. > 32. < 33. = 34. < 35. =
36. < 37. < 38. < 39. =
40. 10 cm, 3 dm, 1 m, 100 m 41. 100 cm, 2 dm, 10 m, 1 km
42. 10 mm, 10 cm, 8 dm, 10 m 43. 50 cm, 2,000 mm, 30 m, 1,000 dm,
44. 500 cm, 5m, 12 m, 5 km 45. 100 cm, 100 dm, 100 m, ,10 km,
46. 60 cm, 1,000 mm, 25 dm, 40 m, 47. 10 cm, 1,000 mm, 100 m, 75 km