

Measurement: Skill 5 - 17A

Metric Length

Test question 17A. 47 mm _____ = cm

$$47 \div 10 = 4.7$$

$$47 \text{ mm} = 4.7 \text{ cm}$$

Metric Units of Length

1 centimeter (cm) = 10 millimeters (mm)

1 meter (m) = 100 cm = 1,000 mm

1 kilometer (km) = 1,000 m

Remember, multiply to change larger units to smaller units; divide to change smaller units to larger units.

Convert Millimeters to Centimeters	Convert Centimeters to Meters	Convert Kilometers to Meters
$157 \text{ mm} = \underline{\hspace{2cm}} \text{ cm}$ $157 \div 10 = 15.7$ $157 \text{ mm} = 15.7 \text{ cm}$	$32.7 \text{ cm} = \underline{\hspace{2cm}} \text{ m}$ $32.7 \div 100 = 0.327$ $32.7 \text{ cm} = 0.327 \text{ m}$	$3.25 \text{ km} = \underline{\hspace{2cm}} \text{ m}$ $3.25 \times 1,000 = 3,250$ $3.25 \text{ km} = 3,250 \text{ m}$

Directions: Complete.

1. $10 \text{ cm} = \underline{\hspace{2cm}} \text{ mm}$

2. $100 \text{ mm} = \underline{\hspace{2cm}} \text{ cm}$

3. $10 \text{ m} = \underline{\hspace{2cm}} \text{ cm}$

4. $2,000 \text{ m} = \underline{\hspace{2cm}} \text{ km}$

5. $214 \text{ cm} = \underline{\hspace{2cm}} \text{ mm}$

6. $100 \text{ mm} = \underline{\hspace{2cm}} \text{ cm}$

7. $11 \text{ km} = \underline{\hspace{2cm}} \text{ m}$

8. $3 \text{ m} = \underline{\hspace{2cm}} \text{ mm}$

9. $389 \text{ mm} = \underline{\hspace{2cm}} \text{ cm}$

10. $243 \text{ mm} = \underline{\hspace{2cm}} \text{ cm}$

11. $43.8 \text{ cm} = \underline{\hspace{2cm}} \text{ m}$

12. $7.52 \text{ km} = \underline{\hspace{2cm}} \text{ m}$

Measurement: Skill 5 - 17A

Metric Length**Directions:** Complete.

13. $43.2 \text{ cm} = \underline{\hspace{2cm}} \text{ m}$

14. $38 \text{ mm} = \underline{\hspace{2cm}} \text{ cm}$

15. $5.3 \text{ m} = \underline{\hspace{2cm}} \text{ cm}$

16. $8 \text{ mm} = \underline{\hspace{2cm}} \text{ cm}$

17. $8 \text{ km} = \underline{\hspace{2cm}} \text{ m}$

18. $19 \text{ cm} = \underline{\hspace{2cm}} \text{ mm}$

19. $312 \text{ mm} = \underline{\hspace{2cm}} \text{ cm}$

20. $285 \text{ m} = \underline{\hspace{2cm}} \text{ km}$

21. $375 \text{ mm} = \underline{\hspace{2cm}} \text{ cm}$

22. $22.4 \text{ cm} = \underline{\hspace{2cm}} \text{ m}$

23. $9.63 \text{ km} = \underline{\hspace{2cm}} \text{ m}$

24. $732 \text{ mm} = \underline{\hspace{2cm}} \text{ cm}$

25. $235 \text{ cm} = \underline{\hspace{2cm}} \text{ mm}$

26. $6 \text{ m} = \underline{\hspace{2cm}} \text{ cm}$

27. $15 \text{ km} = \underline{\hspace{2cm}} \text{ m}$

28. $155 \text{ mm} = \underline{\hspace{2cm}} \text{ cm}$

29. $42.3 \text{ cm} = \underline{\hspace{2cm}} \text{ m}$

30. $2.75 \text{ km} = \underline{\hspace{2cm}} \text{ m}$

31. $1.75 \text{ km} = \underline{\hspace{2cm}} \text{ m}$

32. $26.7 \text{ cm} = \underline{\hspace{2cm}} \text{ m}$

33. $312 \text{ mm} = \underline{\hspace{2cm}} \text{ cm}$

Answers: Skill 17A, Grade 5

1. 100 mm 2. 100 cm 3. 1,000 cm 4. 2 km 5. 2,140 mm 6. 10 cm 7. 11,000 m
8. 3,000 mm 9. 38.9 cm 10. 24.3 cm 11. 0.435 m 12. 7,520 m 13. 0.436 m 14. 3.8 cm
15. 530 cm 16. 0.8 cm 17. 8,000 m 18. 190 mm 19. 31.2 cm 20. 0.285 km 21. 37.5 cm
22. 0.224 m 23. 9,630 m 24. 73.2 cm 25. 2.35 mm 26. 600 cm 27. 15,000 m 28. 15.5 cm
29. 0.423 m 30. 2,750 m 31. 1,750 m 32. 0.267 m 33. 31.2 cm