Name _____   Date _____

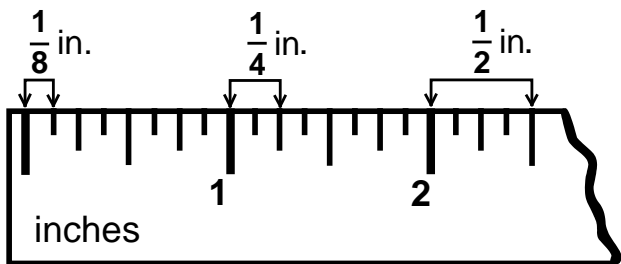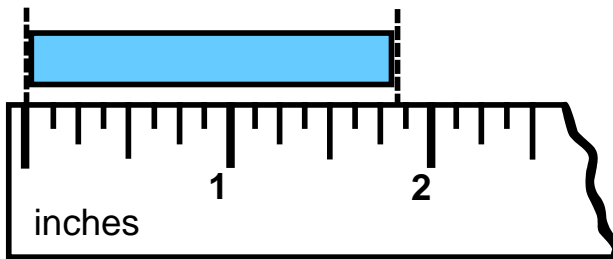# Measurement
Skill 4 - 17B

Customary Units: Length

Answer to test question 17B: D. $1\frac{3}{4}$ in. , A. $1\frac{1}{8}$ in.

$\frac{1}{8}$ in. $\frac{1}{4}$ in. $\frac{1}{2}$ in.

inches

The ruler above shows the fractional units, $\frac{1}{8}$ inch, $\frac{1}{4}$ inch and $\frac{1}{2}$ inch. These fractional units are used to measure between two whole units.
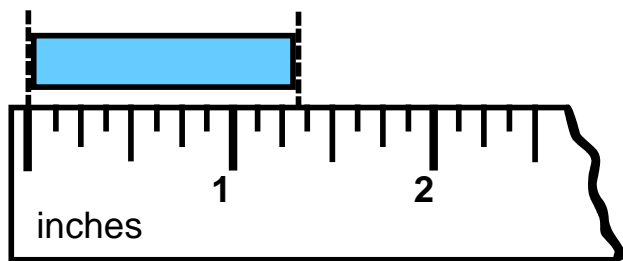
Example: Measure to the nearest $\frac{1}{8}$ inch.
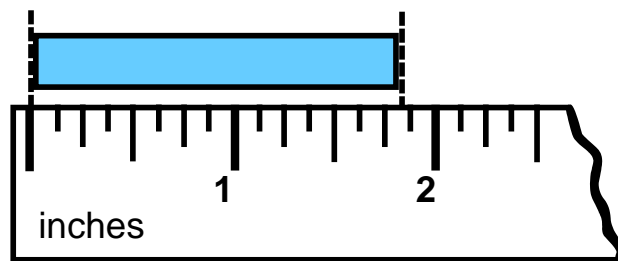
inches

Answer: The measurement is closer to $1\frac{7}{8}$ in. than to $1\frac{6}{8}$ in. The length of the object is about $1\frac{7}{8}$ inches.

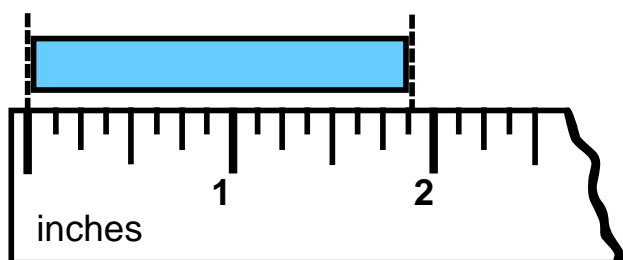**Directions:** Answer the following questions.

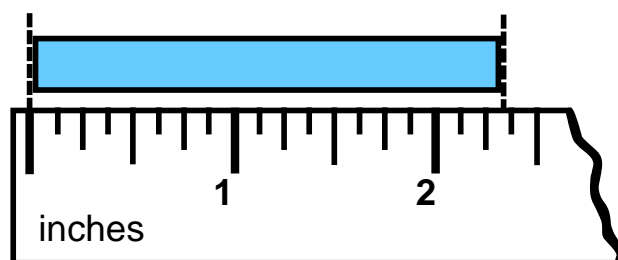**1.** Measure to the nearest $\frac{1}{8}$ inch. Write your measurement here.

inches

2. Measure to the nearest $\frac{1}{4}$ inch. Write your measurement here.

inches

3. Measure to the nearest $\frac{1}{2}$ inch. Write your measurement here.

inches

4. Measure to the nearest $\frac{1}{8}$ inch. Write your measurement here.

inches

Measurement
Skill 4 - 17B

Customary Units: Length

Directions: Use a ruler to measure each object below.

5. Measure to the nearest $\frac{1}{8}$ inch. Write your measurement here.	**6.** Measure to the nearest $\frac{1}{4}$ inch. Write your measurement here.
7. Measure to the nearest $\frac{1}{2}$ inch. Write your measurement here.	**8.** Measure to the nearest $\frac{1}{8}$ inch. Write your measurement here.
9. Measure to the nearest $\frac{1}{4}$ inch. Write your measurement here.	**10.** Measure to the nearest $\frac{1}{4}$ inch. Write your measurement here.
11. Measure to the nearest inch. Write your measurement here.	**12.** Measure to the nearest $\frac{1}{8}$ inch. Write your measurement here.
13. Measure to the nearest $\frac{1}{2}$ inch. Write your measurement here.	**14.** Measure to the nearest inch. Write your measurement here.
15. Measure to the nearest $\frac{1}{8}$ inch. Write your measurement here.	**16.** Measure to the nearest $\frac{1}{4}$ inch. Write your measurement here.
17. Measure to the nearest $\frac{1}{2}$ inch. Write your measurement here.	**18.** Measure to the nearest $\frac{1}{8}$ inch. Write your measurement here.

Measurement
Skill 4 - 17B

Customary Units: Length

Directions: Order the measurements from least to greatest. Write answer below each problem.

19. $\frac{1}{4}$ in., $\frac{1}{8}$ in., $\frac{1}{2}$ in.

20. $\frac{1}{2}$ in., $\frac{3}{8}$ in., $\frac{1}{4}$ in.

21. $\frac{1}{2}$ in., $\frac{1}{8}$ in., $\frac{5}{8}$ in.

22. $\frac{3}{8}$ in., $\frac{7}{8}$ in., $\frac{3}{4}$ in.

23. $\frac{3}{4}$ in., $1\frac{1}{4}$ in., $1\frac{1}{8}$ in., 1 in.

24. $2\frac{1}{8}$ in., $1\frac{7}{8}$ in., 2 in., 1 in.

25. $1\frac{3}{4}$ in., 1 in., $2\frac{1}{4}$ in., $2\frac{1}{8}$ in.

26. $2\frac{3}{4}$ in., 3 in., $2\frac{7}{8}$ in., $3\frac{1}{4}$ in.

27. 2 in., $1\frac{7}{8}$ in., 3 in., $3\frac{1}{8}$ in.

Directions: Order the measurements from greatest to least. Write answer below each problem.

28. $\frac{3}{8}$ in., $\frac{2}{4}$ in., $\frac{1}{6}$ in., $\frac{5}{8}$ in.

29. $\frac{2}{8}$ in., $\frac{3}{4}$ in., $\frac{1}{8}$ in., $\frac{1}{2}$ in.

30. $\frac{1}{2}$ in., $\frac{5}{8}$ in., $\frac{3}{4}$ in., $\frac{7}{8}$ in.

31. $\frac{3}{8}$ in., $\frac{1}{2}$ in., $\frac{1}{4}$ in., $\frac{5}{8}$ in.

32. $\frac{1}{4}$ in., $\frac{1}{8}$ in., $\frac{1}{2}$ in., $\frac{3}{8}$ in.

33. $\frac{1}{2}$ in., $\frac{7}{8}$ in., $\frac{1}{4}$ in., $\frac{3}{4}$ in.

34. $3\frac{1}{4}$ in., $3\frac{7}{8}$ in., $2\frac{7}{8}$ in., $3\frac{5}{8}$ in.

35. $3\frac{3}{4}$ in., $2\frac{7}{8}$ in., $2\frac{1}{2}$ in., $3\frac{5}{8}$ in.

36. $3\frac{1}{2}$ in., $3\frac{7}{8}$ in., $2\frac{3}{4}$ in., $2\frac{7}{8}$ in.

37. $1\frac{5}{8}$ in., 2 in., $1\frac{3}{4}$ in., $1\frac{1}{2}$ in., 1in.

Answers: Skill 17B Grade 4
Answers for questions 5 – 18 may vary due to differences in computer settings and/or printer settings.

1. $1\frac{3}{8}$ in.	2. $1\frac{3}{4}$ in.	3. $1\frac{1}{2}$ in.	4. $1\frac{3}{8}$ in.	5. $1\frac{5}{8}$ in.	6. $1\frac{3}{4}$ in.
7. $1\frac{1}{2}$ in.	8. $2\frac{1}{8}$ in.	9. $1\frac{3}{4}$ in.	10. $1\frac{1}{4}$ in.	11. 1 in.	12. $2\frac{1}{8}$ in.
13. $1\frac{1}{2}$ in.	14. 1 inch	15. $\frac{3}{8}$ in.	16. $1\frac{3}{4}$ in.	17. $2\frac{1}{2}$ in.	18. $2\frac{1}{8}$ in.

19. $\frac{1}{8}$ in., $\frac{1}{4}$ in., $\frac{1}{2}$ in.		20. $\frac{1}{4}$ in. $\frac{3}{8}$, in., $\frac{1}{2}$ in.		21. $\frac{1}{8}$ in., $\frac{1}{2}$ in., $\frac{5}{8}$ in.	
22. $\frac{3}{8}$ in., $\frac{3}{4}$ in., $\frac{7}{8}$ in.		23. $\frac{3}{4}$ in., 1 in., $1\frac{1}{8}$ in., $1\frac{1}{4}$ in.		24. 1in., $1\frac{7}{8}$ in., 2 in., $2\frac{1}{8}$ in.	
25. 1 in., $1\frac{3}{4}$ in., $2\frac{1}{8}$ in., $2\frac{1}{4}$ in.			26. $2\frac{7}{8}$ in., $2\frac{3}{4}$ in., 3 in., $3\frac{1}{4}$ in.		
27. $1\frac{7}{8}$ in., 2 in., 3 in., $3\frac{1}{8}$ in.			28. $\frac{5}{8}$ in., $\frac{2}{4}$ in., $\frac{3}{8}$ in., $\frac{1}{6}$ in.		
29. $\frac{3}{4}$ in., $\frac{1}{2}$ in., $\frac{2}{8}$ in., $\frac{1}{8}$ in.			30. $\frac{7}{8}$ in., $\frac{3}{4}$ in., $\frac{5}{8}$ in., $\frac{1}{2}$ in.		
31. $\frac{5}{8}$ in., $\frac{1}{2}$ in., $\frac{3}{8}$ in., $\frac{1}{4}$ in.			32. $\frac{1}{2}$ in., $\frac{3}{8}$ in., $\frac{1}{4}$ in., $\frac{1}{8}$ in.		
33. $\frac{7}{8}$ in., $\frac{3}{4}$ in., $\frac{1}{2}$ in., $\frac{1}{4}$ in.			34. $3\frac{7}{8}$ in., $3\frac{5}{8}$ in., $3\frac{1}{4}$ in., $2\frac{7}{8}$ in.		
35. $3\frac{3}{4}$ in., $3\frac{5}{8}$ in,, $2\frac{7}{8}$ in., $2\frac{1}{2}$ in.			36. $3\frac{7}{8}$ in., $3\frac{1}{2}$ in., $2\frac{7}{8}$ in., $2\frac{3}{4}$		
37. 2 in., $1\frac{3}{4}$ in., $1\frac{5}{8}$ in., $1\frac{1}{2}$ in.,1 in.					