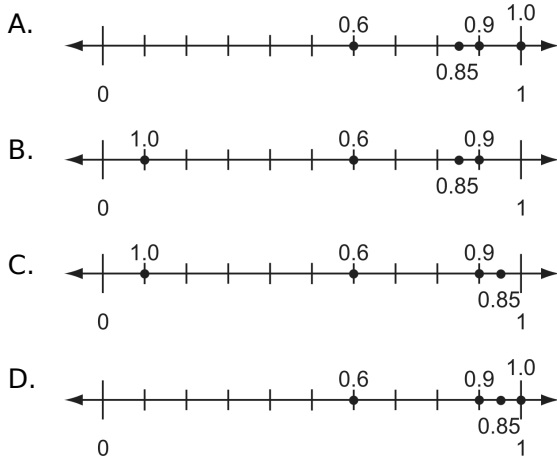# Learning Goal 1.3: Decimals
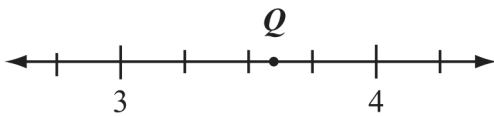
Name: _____   **Date:** _____

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1. Travel–size toothpaste tubes can be purchased in the following weights: 0.9 ounce, 0.85 ounce, 1.0 ounce, and 0.6 ounce. Which number line represents the weights, in ounces, of the travel-size toothpaste tubes?
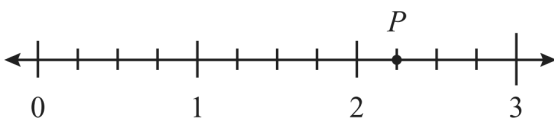
   A.

   B.

   C.

   D.

2. The location of point Q is shown on the number line below.

   Which of the following numbers is best represented by point Q?
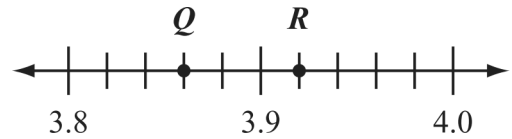
   A.   3.4   B.   3.6   C.   3.8   D.   4.4

3. Which of the following best represents the location of point P on the number line below?

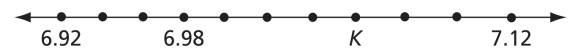   A.   2.5   B.   2.33   C.   2.25   D.   2.1

4. Points Q and R on the number line below each represent a real number.

   Which of the following numbers is located between points Q and R on the number line?

   A.   3.84   B.   3.88   C.   3.94   D.   3.98

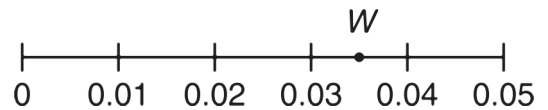5. Use the number line below to answer the following question.

   Which number is represented by Point K on the number line?

   A.   6.984   B.   7.06

   C.   7.08   D.   7.09

6. Look at this number line.

   What decimal best represents the location of point W?

   A.   0.035   B.   0.045

   C.   0.350   D.   0.450

7. Which of the following lists of decimal numbers is displayed in order, from the least to the greatest?

   A. 0.068, 0.086, 0.68, 0.86

   B. 0.086, 0.068, 0.68, 0.86

   C. 0.068, 0.68, 0.086, 0.86

   D. 0.86, 0.68, 0.086, 0.068

8. The following runners finished the race in the times listed.

John	28.012 seconds
Carlos	27.7 seconds
Zach	27.99 seconds
Ricky	27.585 seconds
Felix	28.13 seconds

   List the runners in order from the fastest to the slowest.

9. The table below shows the times eight swimmers took to finish a 50-meter swim.

   50-Meter Swim

Swimmer	Time (seconds)
Gary	21.93
Stefan	22.08
Michael	22.37
Roland	22.02
Oliver	22.26
David	21.94
Brett	22.18
Jason	22.11

   Who finished the swim with the third fastest time?

   A. Gary   B. Roland

   C. David   D. Brett

10. The table below shows the time that eight runners took to finish the 100-meter dash.

Runners	Time (seconds)
Mark	9.93
James	9.08
Larry	9.37
Charles	9.02
Juan	9.26
Lester	9.94
Henry	9.18
Chan	9.11

    Who finished the race with the fourth fastest time?

    A. Henry   B. Charles

    C. Mark   D. James

11. Which number from Brian's chart has the *greatest* value in the tenths place?

    Brian's Sunflower Chart

Day	Growth
Monday	10.32 cm
Tuesday	12.16 cm
Wednesday	15.26 cm
Thursday	20.04 cm

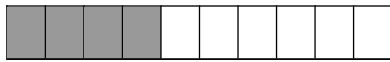   A. 10.32 cm   B. 12.16 cm

    C. 15.26 cm   D. 20.04 cm

12. In physical education class, the students kept a chart of how far they ran each day. Jesse made the following chart last week.

Jesse's Log

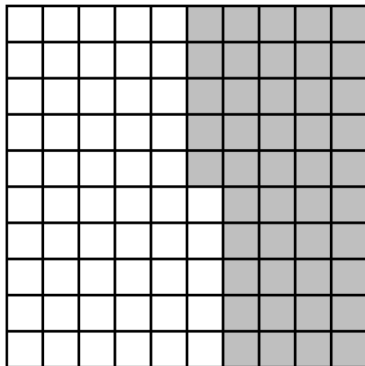| Monday	1.05 miles
Tuesday	0.93 miles
Wednesday	1.1 miles
Thursday	0.8 mile
Friday	1.13 miles

On which day did he run closest to a mile?

A. Monday B. Tuesday

C. Wednesday D. Thursday

13. Beth shaded the rectangle shown below to represent a decimal number.

Which decimal number did she represent?

A. 0.04 B. 0.4 C. 4.0 D. 4.10

14. A decimal number is shown on a grid.

Which number is less than the number shown on the grid?

A. 0.9 B. 0.48

C. 0.450 D. 0.275

15. What is the value of the 2 in the number below?

54.625

A. two hundred

B. twenty

C. two tenths

D. two hundredths

16. What is the value of the 3 in 25.309?

A. Ones B. Tenths

C. Hundredths D. Thousandths

17. The total length of a vehicle is 205.83 inches. What is the length of the vehicle rounded to the nearest whole number?

A. 200 inches B. 205 inches

C. 206 inches D. 210 inches

18. What is 6050.287 rounded to the nearest ten?

A. 6050 B. 6100

C. 6050.29 D. 6050.3

19. What is 4.3698 rounded to the nearest thousandth?

A. 4369.8 B. 436.98

C. 4.4000 D. 4.3700

Learning Goal 1.3: Decimals

20. Maggie correctly measured the distance across a playing field to the nearest meter and recorded that distance. The distance she recorded was 55 meters.

    Which of the following could *not* be the actual distance across the playing field?

    A. 55.7 meters   B. 55.0 meters

    C. 54.9 meters   D. 54.6 meters

21. Ms. Burke correctly weighed a tomato to the nearest ounce and recorded the weight. The weight she recorded was 13 ounces.

    What is the *least* possible actual weight of the tomato?

    A. 12.0 ounces   B. 12.5 ounces

    C. 13.0 ounces   D. 13.4 ounces

22. A computer program can be used to calculate students average grades. It rounds each average grade to the nearest tenth. Otto's average grade is 83.627. To what number does the computer round Otto's grade?

    A. 83.6   B. 83.63

    C. 83.7   D. 84

23. What is 9.582 rounded to the nearest tenth?

    A. 9.5   B. 9.58   C. 9.6   D. 10

24. Multiply.

    $$2.174 \times 100$$

    A. 0.02174   B. 21.74   C. 217.4

Learning Goal 1.3: Decimals   8/12/2018

1.
Answer: A

2.
Answer: B

3.
Answer: C

4.
Answer: B

5.
Answer: B

6.
Answer: A

7.
Answer: A

8.
Answer: Ricky, Carlos, Zach, John, Felix

9.
Answer: B

10.
Answer: A

11.
Answer: A

12.
Answer: A

13.
Answer: B

14.
Answer: C

15.
Answer: D

16.
Answer: B

17.
Answer: C

18.
Answer: A

19.
Answer: D

20.
Answer: A

21.
Answer: B

22.
Answer: A

23.
Answer: C

24.
Answer: C