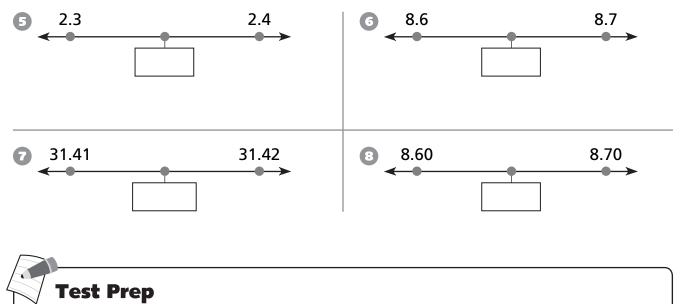
Investigating Decimals

Write any number that comes between the two given numbers.

| 1 10 11 | 2 8.7 8.8 |
|------------------|-------------|
| 3 0.5 0.6 | ④ 9.18 9.19 |

Write the number that comes halfway between the two given numbers.



Which number could not be a common denominator for fractions with denominators of 6 and 8?

| Α. | 24 | C. 96 |
|----|----|--------------|
| Β. | 12 | D. 48 |

The table shows the prices for tickets to a museum. How much will it cost for a class of 23 students?

| Tickets 3 7 | | 11 | 15 | |
|------------------|----------------|---------|--------------------|---------|
| Prices | \$8.25 | \$19.25 | \$30.25 | \$41.25 |
| A. \$5 B. \$6 | 57.25 62.25 | | \$63.25 \$68.50 | |

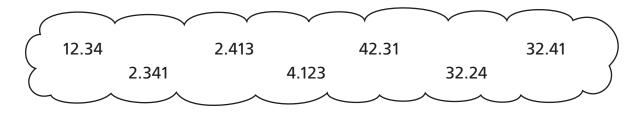
| ne | Date | Practice |
|----|------|----------|
| | | Lesson 2 |

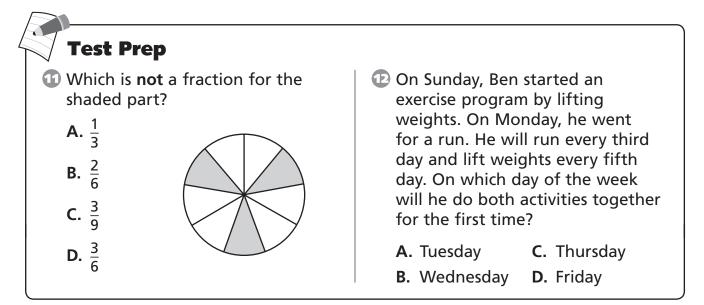
Comparing and Ordering Decimals

Write >, <, or = to complete the number sentences.

| 1 5.2 5.18 | 2 17.04 17.040 | 3 29.604 29.8 |
|-------------------------|----------------------|--------------------------|
| 4 63.406 63.60 | 5 89.8 89.088 | 6 1.976 () 19.760 |
| 7 360.48 360.481 | 8 46.55 | 101.6 101.59 |

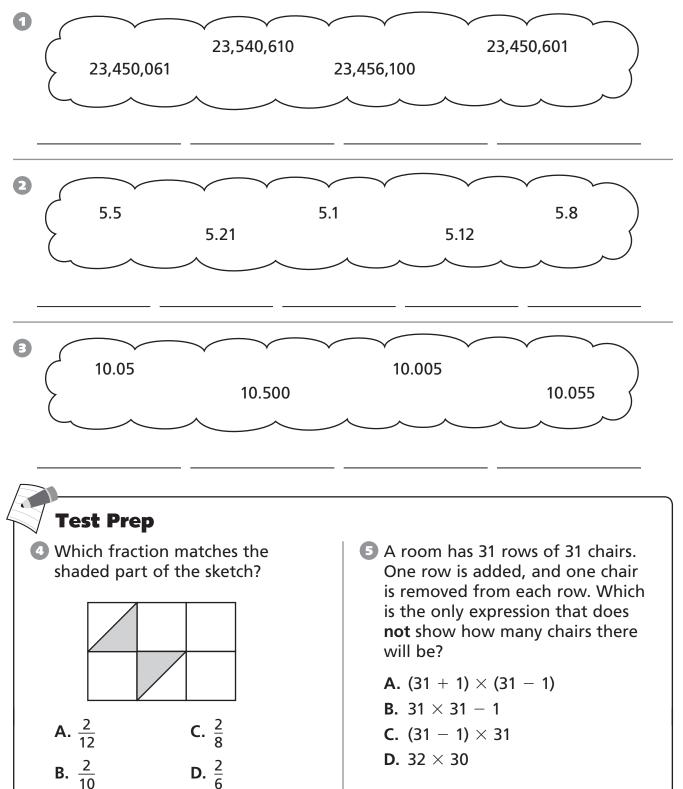
Write the numbers in order from least to greatest.





Large and Small Numbers

Write the numbers in order from greatest to least.

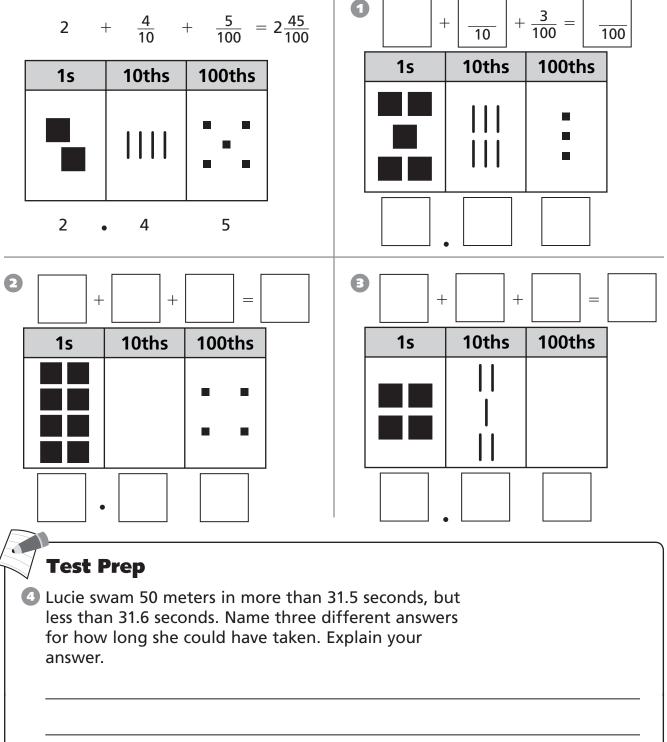


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Connecting Decimals to Fractions

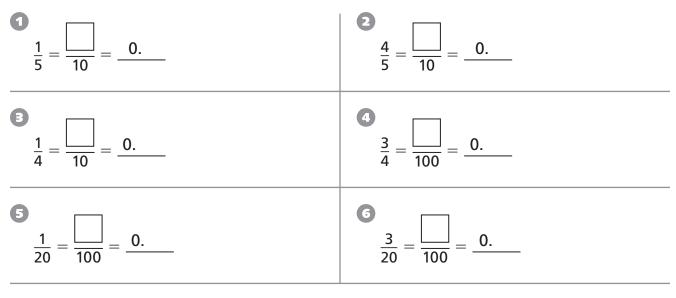
Fill in the fraction notation (above the picture) and decimal notation (below the picture) to match the blocks.

Example

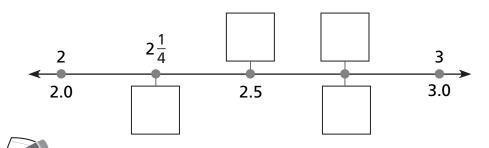


Connecting Decimals to Other Fractions

Write equivalent fractions and decimals.



Write the mixed numbers above the number line and the matching decimals below.



Test Prep

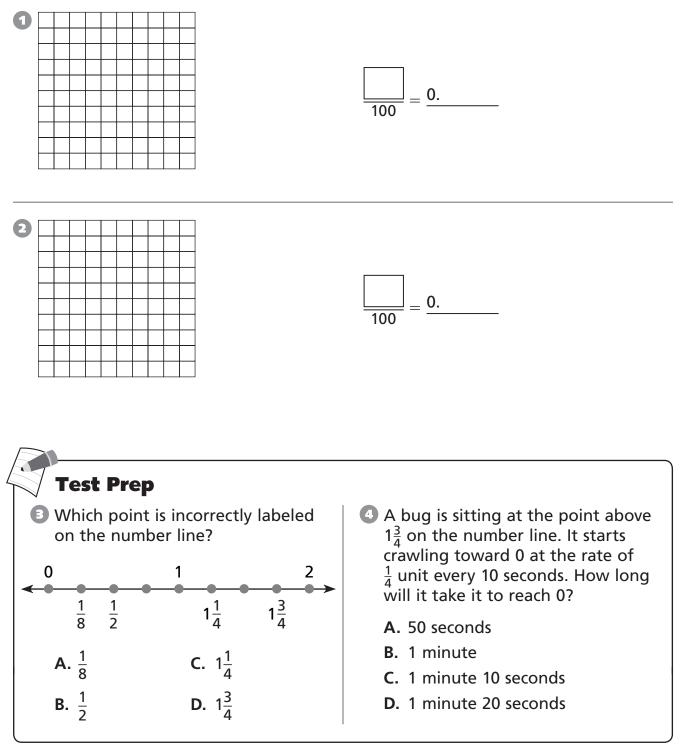
- Erika has \$15.09. Which could NOT be true?
 - A. She has 12 whole dollars, 26 tenths of a dollar, and 49 hundredths of a dollar.
 - **B.** She has 12 dollars, 26 dimes, and 49 pennies.
 - **C.** She has 12 dollars, 10 quarters, 5 dimes, and 9 pennies.
 - **D.** She has 15 dollars, and 9 tenths of a dollar.
- Jackie has 24 markers and 40 pencils to put into bags. Each bag must have the same number of markers and the same number of pencils. What is the greatest number of bags she can fill if she uses all the markers and pencils?

| Α. | 2 | | С. | 8 |
|----|---|--|----|---|
| | | | | |

B. 3 **D.** 12

Estimating Decimals Using Familiar Fractions

Make designs by shading in some of the hundredths. Record the fractions and decimals.

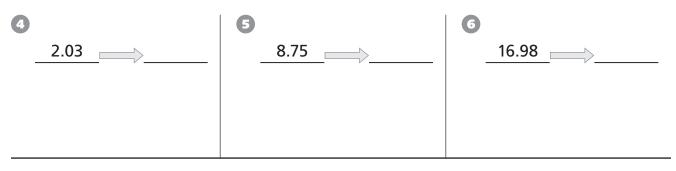


Estimating Decimals Using Rounding

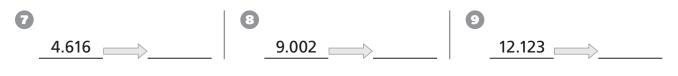
Round each number to the nearest whole number.

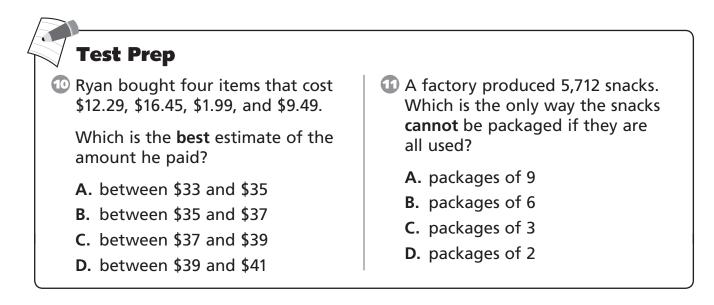


Round each number to the nearest tenth.



Round each number to the nearest hundredth.





Adding with Decimals

Complete the number sentences.

| 1 | 6 | + | 4.6 | = | 2 5.3 + 2 = |
|---|------|---|------|---|--------------------------|
| | 6.7 | + | 4 | = | 5 + 2.8 = |
| | 6.7 | + | 4.6 | = | 5.3 53 0.53 |
| | 67 | + | 46 | = | +2.8 $+28$ $+0.28$ |
| | 0.67 | + | 0.46 | = | |
| B | 4.6 | + | 3 | = | 46 + 38 = |
| | 4 | + | 3.8 | = | 0.46 0.046 0.46 |
| | 4.6 | + | 3.8 | = | + 0.38 + 0.038 + 3.8 |
| | | | | | |

Test Prep

4.6 + 0.38 =

4 Renee's kitchen floor is a rectangle greater than 60 square feet, but less than 70 square feet in area. Each dimension of the floor is greater than 6 feet and the floor is perfectly tiled with 1-foot square tiles, none of which have been cut. What could the area be? Explain.

Subtracting with Decimals

Complete the number sentences.

| 1 6.7 | _ | 4 | = | 2 5.3 - 2 = |
|--------------|---|------|---|--|
| 6 | _ | 4.6 | = | 5.3 – 2.8 = |
| 6.7 | _ | 4.6 | = | 53 0.53 5 |
| 67 | _ | 46 | = | <u>- 28</u> <u>- 0.28</u> <u>- 2.8</u> |
| 0.67 | _ | 0.46 | = | |
| 3 4.4 | _ | 3 | = | 4 8.2 - 6 = |
| 4 | | | | |
| - | — | 3.3 | = | 8 – 6.8 = |
| 4.4 | _ | | = | 8 – 6.8 = 8.2 82 0.82 |
| | | | | |

Test Prep

Seven of the 56 musicians in the Somer School band are drummers. The same fraction of the Euclid School band are drummers. Euclid has 10 drummers. How many musicians are in the Euclid School band? Explain how you found your answer.

Adding and Subtracting Decimals

Add or subtract.

| 1 2.5 + 3.7 = | 6 25.9 <u>- 17.82</u> | | |
|---|---------------------------------|--|--|
| 2 8.16 + 1.3 = | | | |
| 5 .2 + 0.85 = | 0.973 + 3.6458 | | |
| 4 12.00 - 2.5 = | | | |
| 5 9.9 - 6.09 = | | | |
| Estimate. | | | |
| 3 5.007 + 6.8395 | 17.631 - 5.9 | | |
| 2.83 – 0.009 | 13 8.025 + 1.75 | | |
| 1.56 + 1.47 | 35.72 + 64.082 | | |
| | | | |
| Test Prep Explain how to determine if 0.087 is | equivalent to 0.0807. | | |
| | | | |

Lesson 11

Multiplying with Decimals

First, circle the best estimate. Then, calculate an exact answer.

| ● 6.2 × 8 | closer to 48 4.8 | 2 | 4.6 0.7 | closer to 28 2.8 | |
|-----------------|------------------------|---|----------------|------------------------|--|
| ■ 0.53 × 6 | closer to 3 30 | 4 | 2.41 × 3.3 | closer to 60 6 | |
| 5 0.36 × 9 | closer to 0.4 4 | _ | 17.3 0.3 | closer to 50 5 | |
| 7 29.6 ★ 2.1 | closer to 6 60 | | 0.67 × 16.3 | closer to 1.2 12 | |

| 🗸 Test Prep | | | | |
|-----------------------------------|---|-----------------------|--|--|
| Which of these sentences is true? | - 5 1 | backed 144 to a crate | | |
| A. $\frac{1}{2} > 0.6$ | and apples 96 to a crate. A truck | | | |
| Z | can carry 90 crates of oranges and 60 crates of apples. What is the maximum number of pieces of | | | |
| B. $0.23 < \frac{1}{4}$ | | | | |
| | fruit the truc | k can carry? | | |
| C. $\frac{1}{3} < 0.3$ | A. 16,820 | C. 17,780 | | |
| D. $\frac{3}{4} > 0.812$ | B. 17,620 | D. 18,720 | | |
| 4 | | | | |