

TEST PREP
8

Decimals

25

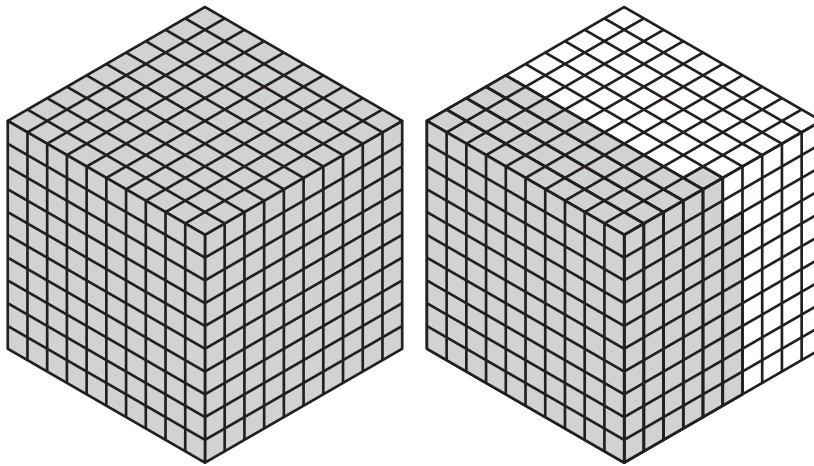
Suggested Time:
30 min

Multiple Choice

(5 × 2 points = 10 points)

Fill in the circle next to the correct answer.

1. Which decimal do the shaded parts represent?



- (A) 0.418
(B) 1.418
(C) 1.148
(D) 4.18

2. What is the place value of the digit 3 in 8.139?

- (A) tens (B) tenths (C) hundredths (D) thousandths

3. Which of these decimals is the greatest?

- (A) 21.07 (B) 2.107 (C) 1.973 (D) 27.6

4. Round 5.693 to the nearest hundredth.

- (A) 5.69 (B) 5.68 (C) 5.7 (D) 5.70

5. Write 6.04 as a mixed number in simplest form.

- (A) $6\frac{2}{5}$ (B) $6\frac{1}{25}$ (C) $6\frac{4}{100}$ (D) $6\frac{64}{100}$

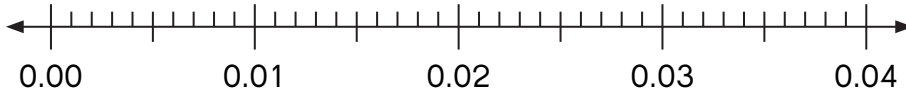
Short Answer

(5 × 2 points = 10 points)

Show the location of each decimal by drawing an X on the number line.

6. a. 0.014

b. 0.038

**Write each mixed number as a decimal.**

7. a. $5\frac{18}{1000} =$ _____

b. $2\frac{349}{1000} =$ _____

Order the decimals from least to greatest.

8. 6.63 3.6 10.1 3.178

Complete.

9. $8.275 = 8 + 0.2 +$ _____ $+$ _____

Solve.

10. A decimal has three decimal places. The decimal, rounded to the nearest tenth, is 1.6. What is the greatest possible decimal that can be rounded to 1.6?

Extended Response

(Question 11: 2 points, Question 12: 3 points)

Solve. Show your work.

- 11.** To make fruit punch, Mrs. Casey adds 1,200 milliliters of water to 850 milliliters of syrup. How many liters of fruit punch does she make? Give your answer in liters.
- 12.** The height of a vase is 6.2 feet when rounded to the nearest tenth of a foot. What is the shortest possible height of the vase? Give your answer to 3 decimal places.