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Grade 5, Unit 5, Section A: Additional Practice Problems

1. Match all the ways that represent 1 tenth, 1 hundredth, and 1 thousandth. Write each letter in the correct column.

1 tenth	1 hundredth	1 thousandth

A. 0.01

B. 0.001

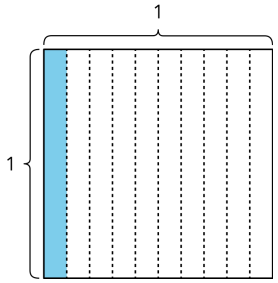
C. 0.1

D. $\frac{1}{1{,}000}$

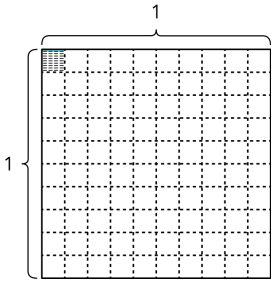
E. $\frac{1}{10}$

F. $\frac{1}{100}$

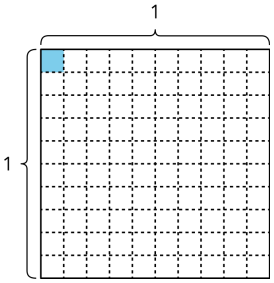
G.



H.



I.



(From Unit 5, Lesson 1.)

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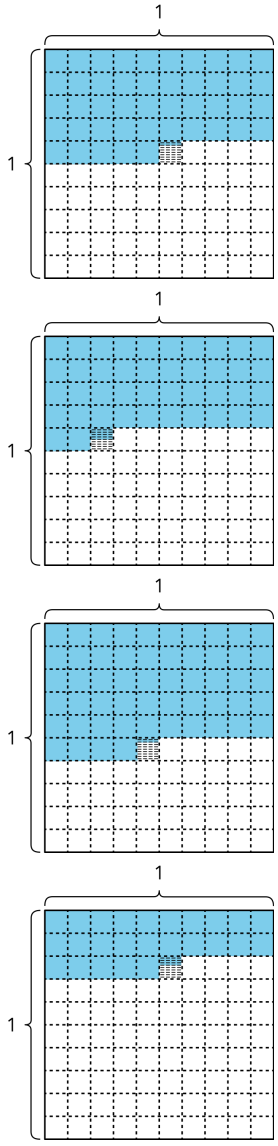
2. Match the decimal number to its representation.

a. 0.425

b. 0.452

c. 0.254

d. 0.542



(From Unit 5, Lesson 2.)

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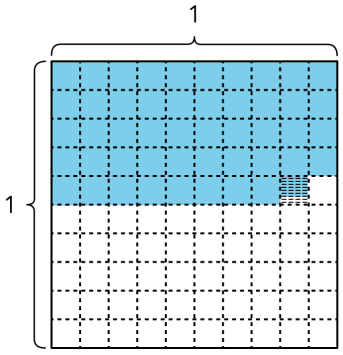
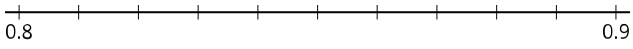
3. Tell if each represents 0.847.

a.	$\frac{847}{100}$	Yes	No
b.	$\frac{847}{1{,}000}$	Yes	No
c.	eight hundred forty-seven thousandths	Yes	No
d.	eight and forty-seven hundredths	Yes	No
e.	$\left(8 \times \frac{1}{10}\right) + \left(4 \times \frac{1}{100}\right) + \left(7 \times \frac{1}{1{,}000}\right)$	Yes	No
f.	$\left(8 \times \frac{1}{1}\right) + \left(4 \times \frac{1}{10}\right) + \left(7 \times \frac{1}{100}\right)$	Yes	No
g.		Yes	No
h.		Yes	No

(From Unit 5, Lesson 3.)

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4. An empty can weighs 0.6 ounces.

   Which sets of weights could you use to balance the empty can?
   Select all that apply.

   A. six 0.1-ounce weights

   B. sixty 0.1-ounce weights

   C. sixty 0.01-ounce weights

   D. six hundred 0.1-ounce weights

   E. six hundred 0.01-ounce weights

   F. six hundred 0.001-ounce weights

(From Unit 5, Lesson 4.)

5. Several friends recorded their times in a race. Their times are listed in the table from fastest (least amount of time) to slowest (greatest amount of time).

   Write the times of the runners in the column.

Runner	Time (seconds)
Diego	
Claire	
Kiran	
Priya	
Mai	
Han	

- 32.800
- 32.640
- 32.151
- 32.072
- 32.651
- 32.654

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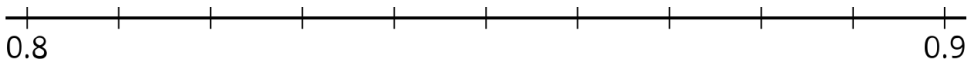
(From Unit 5, Lesson 5.)

6. Locate and label 0.83, 0.85, and 0.89 on the number line.



(From Unit 5, Lesson 6.)

7. In Alpine ski racing, the clock measures racers' times to the nearest hundredth of a second. What time would the clock register for each time?

   a. What will the clock measure for 15.578 seconds? _____ seconds

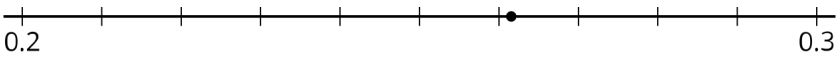
   b. What will the clock measure for 15.409 seconds? _____ seconds

   c. What will the clock measure for 17.732 seconds? _____ seconds

   d. What will the clock measure for 17.746 seconds? _____ seconds

(From Unit 5, Lesson 7.)

8. Diego marks a point between 0.2 and 0.3 on a number line as shown.



   a. What could be the point?

      A. 0.265

      B. 0.262

      C. 0.262

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D. 0.27

b. Round the point to the nearest tenth.

(From Unit 5, Lesson 8.)

9. Sort the possible values of A and B in order to list the decimals from least to greatest.

____A_____, 4.376, ____B_____, 4.736

Write the numbers into the correct column. Some numbers may not be used.

A	B

- 4.341
- 4.299
- 4.38
- 4.379
- 4.742
- 4.371
- 4.655
- 4.74
- 4.368

(From Unit 5, Lesson 9.)

10. The times show the times in seconds in which some swimmers completed a race. Order the times of the swimmers from fastest to slowest.

a. Write the answers in the spaces.

_____ , _____ , _____ , _____ , _____

- 35.756

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- 35.748
- 35.744
- 35.759
- 35.754

b. Consider the times of the swimmers. If the race were timed to the hundredth of a second, instead of to the thousandth, how many of each type of ribbon would they need?

first place _____

second place _____

third place _____

(From Unit 5, Lesson 10.)

11. EXPLORATION

Use the digits 0–9 at most only once to create two decimal numbers, written to the thousandths, that both round to the same whole number. Explain your reasoning.