ALBERT

Name _____ Date _____

Decimals as Fractions Worksheet

Grade 4 · Common Core 4.NF.C.6

> Use decimal notation for fractions with denominators 10 or 100. For example, rewrite 0.62 as 62/100; describe a length as 0.62 meters; locate 0.62 on a number line diagram.

Practice

Builds the skill step by step.

1. Write 0.7 as a fraction.

2. Write $\frac{62}{100}$ as a decimal.

3. Write 0.05 as a fraction.

4. Which decimal equals $\frac{3}{10}$?

   A. 0.03

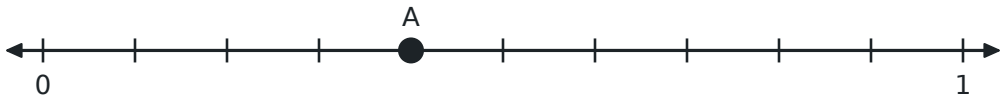
   B. 0.13

   C. 3.0

   D. 0.3

5. Write $\frac{9}{100}$ as a decimal.

6. What decimal is at point A?



7. Write $\frac{45}{100}$ as a decimal.

8. Write 0.8 as a fraction in hundredths.

9. A pencil is $\frac{62}{100}$ of a meter long. Which length is the same?

   A. 0.62 meter

   B. 6.2 meters

   C. 0.062 meter

   D. 62 meters

10. Write $4\frac{3}{10}$ as a decimal.

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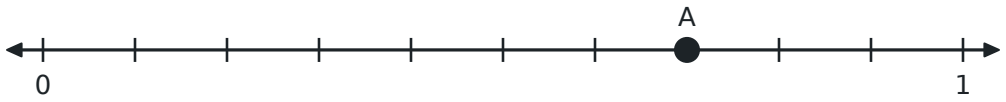
On Level

Grade-level practice.

1. Write 2.75 as a mixed number.

2. Write $\frac{60}{100}$ as a decimal.

3. What decimal is at point A?



4. A shell is 0.38 meter long. How many hundredths of a meter is that?

5. Which fraction equals 0.09?

   A. $\frac{9}{10}$

   B. $\frac{9}{100}$

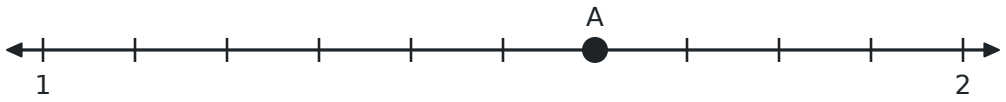
   C. $\frac{1}{9}$

   D. $\frac{90}{100}$

6. Write $\frac{7}{10} + \frac{3}{100}$ as a decimal.

7. Write 3 tenths and 4 hundredths as a decimal.

8. What decimal is at point A?



9. Fill in the box: $0.50 = \frac{\square}{10}$

10. Write $\frac{125}{100}$ as a decimal.

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Challenge

Multi-step and word problems that stretch it.

1. A ribbon is $\frac{85}{100}$ of a meter long. Ana cuts off 0.2 meter. How long is the ribbon now? Write a decimal.

2. Which one does NOT equal 0.4?

   A. 0.04

   B. $\frac{4}{10}$

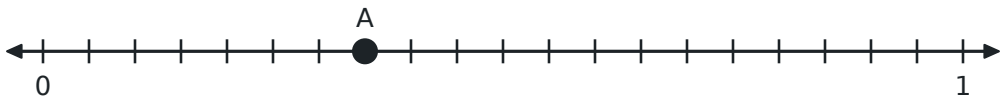
   C. $\frac{40}{100}$

   D. 0.40

3. What decimal is 5 hundredths more than 0.3?

4. Jo ran 1.08 kilometers. Write the distance as a mixed number.

5. What decimal is at point A?



6. Nina says $0.7 = \frac{7}{100}$. Which is correct?

   A. $0.7 = \frac{7}{10} = \frac{70}{100}$

   B. $0.7 = \frac{7}{100}$

   C. $0.7 = \frac{70}{10}$

   D. $0.7 = \frac{1}{7}$

7. What digit goes in the box? $0.\square 5 = \frac{45}{100}$

8. Order from least to greatest: 0.5, $\frac{3}{10}$, 0.45

9. Write $\frac{2}{10}$ + 0.07 as a decimal.

10. How many tenths are in 2.3?