

The table shows the scores of six students on a math test. Compare the six scores and place them in order from least to greatest.

Student	Roger	Amber	Ann	David	Katie	Steve
Reported Score	87%	$\frac{72}{80}$	0.88	$\frac{76}{80}$	0.92	91%

**Step 1** Rewrite Roger's and Steve's scores as decimals.

$$87\% = \frac{\quad}{100} = \underline{\hspace{2cm}}$$

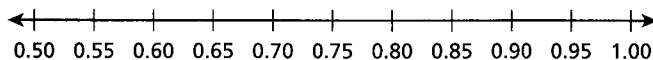
$$91\% = \frac{\quad}{\quad} = \underline{\hspace{2cm}}$$

**Step 2** Rewrite Amber's and David's scores as decimals.

$$\frac{72}{80} = \underline{\hspace{2cm}}$$

$$\frac{76}{80} = \underline{\hspace{2cm}}$$

**Step 3** Graph each decimal on the number line.



**Step 4** Write the scores in order from least to greatest.

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### REFLECT

**3a.** Describe another way to compare the six scores.

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**3b.** How would you read the decimals graphed on the number line to find the scores in order from greatest to least?

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# PRACTICE

## Homework #28 Both Sides

Write each fraction as a decimal and as a percent.

1.  $\frac{27}{50}$

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2.  $\frac{250}{100}$

\_\_\_\_\_

3.  $\frac{7}{10}$

\_\_\_\_\_

4.  $\frac{24}{30}$

\_\_\_\_\_

5.  $\frac{3}{5}$

\_\_\_\_\_

6.  $\frac{11}{16}$

\_\_\_\_\_

7.  $\frac{9}{20}$

\_\_\_\_\_

8.  $\frac{1}{25}$

\_\_\_\_\_

9.  $\frac{18}{45}$

\_\_\_\_\_

10. Justine answered 68 questions correctly on an 80-question test.

a. What percent of the questions did Justine answer correctly? \_\_\_\_\_

b. To find the percent of questions that Justine answered incorrectly, subtract your answer to a from 100%:  $100\% - \quad =$

What percent of the questions did Justine answer incorrectly? \_\_\_\_\_

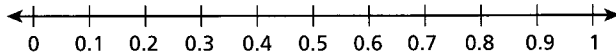
11. Graph each fraction or percent on the number line.

A.  $\frac{4}{5}$

B. 20%

C.  $\frac{1}{2}$

D.  $\frac{6}{8}$



12. Last month at Brian's Bookstore, 0.3 of the books sold were mysteries, 25% were travel books, and  $\frac{7}{20}$  were children's books. Which type of book was sold the most last month?

\_\_\_\_\_

13. Angela is shopping for a new dress. One store is having a dress sale with  $\frac{1}{3}$  off of the regular price. Another store has 35% off everything in the store. A third store is taking 0.4 off the price of any single item. At which store can Angela get the biggest discount on a dress?

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14. In Rene's closet, 38% of the hanging space is taken up by pants, 0.35 is taken up by shirts, and  $\frac{2}{5}$  is taken up by sweaters. Put these values in order from least to greatest.

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