

Day 6: Benchmark Fractions & Fractions on a Number Line

Name: _____

Practice Assignment

0 25 50 75 100

1. Order the fractions from least to greatest. Show or explain your reasoning.

a. $\frac{5}{9}, \frac{6}{13}, \frac{11}{13}, \frac{3}{28}$

b. $\frac{5}{10}, \frac{2}{21}, \frac{7}{13}, \frac{6}{7}, \frac{8}{17}$

c. $\frac{24}{25}, \frac{3}{6}, \frac{5}{11}, \frac{1}{16}, \frac{3}{5}$

2. Fill in the missing numerator or denominator so that the fraction is close to but greater than $\frac{1}{2}$.

a. $\frac{\quad}{15}$

b. $\frac{7}{\quad}$

c. $\frac{19}{\quad}$

d. $\frac{\quad}{20}$

3. Fill in the missing numerator or denominator so that the fraction is close to 0.

a. $\frac{\quad}{9}$

b. $\frac{2}{\quad}$

c. $\frac{4}{\quad}$

d. $\frac{\quad}{13}$

4. The table shows the fraction of an hour that students spent running laps at a track practice one afternoon. Use the table to answer the following questions:

Student	Fraction of One Hour Spent Running Laps
Denise	$\frac{1}{10}$
Patrick	$\frac{2}{3}$
Tyrone	$\frac{11}{12}$
Su Lee	$\frac{3}{4}$
Jasmine	$\frac{7}{15}$

a. Which student(s) ran for almost an entire hour?

b. Which student(s) ran for more than half an hour?

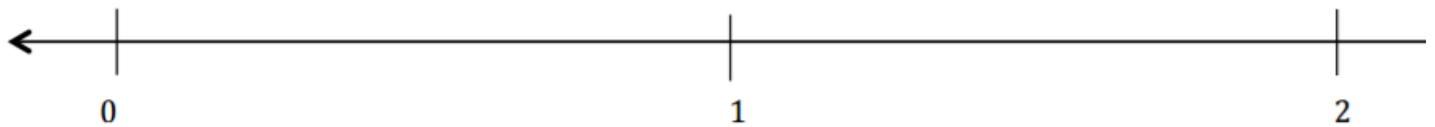
c. Which student(s) for less than half an hour?

5. Kara walks five days each week. This week she walked $\frac{7}{8}$ mile on Monday, $\frac{3}{5}$ mile on Tuesday, $\frac{4}{10}$ mile on Wednesday, $\frac{1}{10}$ mile on Thursday, and $\frac{9}{10}$ mile on Friday. Use benchmark fractions to estimate the total distance Kara walked this week. **Show and explain your reasoning.**

6. A school participates in a reading contest. The table shows each class portion of the grade's total reading minutes. Order the portion of reading minutes for each teacher in order from greatest to least. Explain your reasoning. ©CarnegieLearning

Class	Portion of Reading Minutes
Mr. Karlie	$\frac{5}{12}$
Ms. Jacobs	$\frac{1}{18}$
Ms. Suarez	$\frac{4}{9}$
Mr. Mitchell	$\frac{1}{12}$

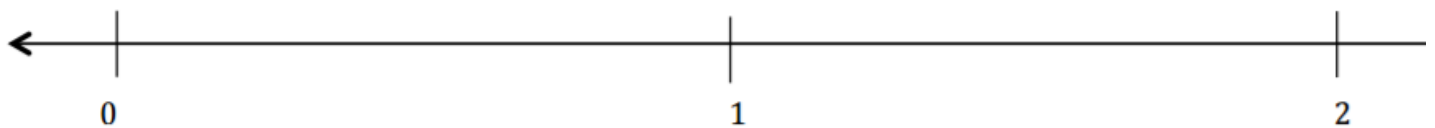
7. Mary swims $\frac{1}{8}$ of a mile each day. Use the number line to help you answer the following questions:



a. How many miles will she have swam in 12 days?

b. How many days does it take to swim $\frac{3}{4}$ of a mile?

8. Caleb swam $\frac{1}{6}$ mile a day for 8 days. At the end of 8 days, Caleb told his friends he swam $\frac{4}{3}$ miles all together. Did Caleb use the correct fraction? Show your work and explain if you think Caleb is correct or incorrect.



9. Plot the following fractions on the number (estimate if necessary).

- A. $\frac{3}{2}$ B. $1\frac{1}{4}$ C. $1\frac{9}{10}$ D. $2\frac{1}{2}$ E. $\frac{2}{5}$

