

# Compare and Order Fractions, Decimals, and Percents

## Guided Practice



- Order the fractions  $\frac{4}{5}$ ,  $\frac{1}{2}$ ,  $\frac{9}{10}$ , and  $\frac{3}{4}$  from least to greatest.
- Cora spends  $\frac{2}{3}$  of her free time blogging on the Internet. Leah spends 60% of her free time blogging on the Internet. Who spends more of her free time blogging?
- The table shows the wins for some middle school football teams. Which team has the greatest fraction of wins?

| Team     | Wins           |
|----------|----------------|
| Eagles   | 95%            |
| Wolves   | $\frac{9}{10}$ |
| Mustangs | 0.89           |

## Independent Practice

Go online for Step-by-Step Solutions

Fill in each with  $<$ ,  $>$ , or  $=$  to make a true statement.

1.  $\frac{1}{3}$     $\frac{3}{5}$

2.  $\frac{7}{12}$     $\frac{1}{2}$

3.  $\frac{1}{4}$    0.4

4. 0.7    $\frac{7}{9}$

Order the fractions from least to greatest.

5.  $\frac{1}{2}$ ,  $\frac{2}{3}$ ,  $\frac{1}{4}$ ,  $\frac{5}{6}$

6.  $\frac{2}{3}$ ,  $\frac{2}{9}$ ,  $\frac{5}{6}$ ,  $\frac{11}{18}$

7. Darius spends 35% of his time doing math homework. Alex spends  $\frac{2}{5}$  of his time doing math homework. Who spends more homework time on math? Explain.

8. Three snack bars contain  $\frac{1}{5}$ , 0.22, and 19% of their Calories from fat. Which snack bar contains the least amount of Calories from fat?

9. **CCSS Model with Mathematics** Use the graphic novel frame below for Exercises a–b.

Replay it online!

|          |                        |
|----------|------------------------|
| Daniella | $\frac{1}{5}$ of shots |
| Dwayne   | 25%                    |
| Angel    | 4 out of 20            |

How can I compare these scores?

- a. Write each score as a decimal.  
 b. Compare the three scores.

10. Order the portion of responses listed in the table from least to greatest.

| Number of Times Eating Fast Food per Week | 0   | 1-2             | 3-4 | 5+ |
|---|-----|-----------------|-----|----|
| Portion of Responses                      | 17% | $\frac{11}{20}$ | 0.2 | 8% |

## Standardized Test Practice

15. Which of the following numbers has a value between 0 and 1?

(A)  $\frac{7}{8}$       (B) 114%      (C) 1.14      (D)  $\frac{8}{7}$

26. **CCSS Use Math Tools** The table shows the favorite subjects of students in a recent survey.

- a. Did more students choose art or math? Explain.

- b. Which subject did most students choose? Explain.

- c. Order the subjects from least to greatest.

| Subject        | Portion of Students |
|----------------|---------------------|
| Art            | $\frac{4}{25}$      |
| English        | 13%                 |
| Math           | 0.28                |
| Other          | 7%                  |
| Science        | $\frac{21}{100}$    |
| Social Studies | 0.15                |