

Ordering Three Fractions Having a Common Numerator

• Example 1

Order the fractions $\frac{5}{7}$, $\frac{5}{9}$, $\frac{5}{8}$ from least to greatest.

Since these fractions have a common numerator, we need only to consider the denominators. The greater the number in the denominator, the smaller the fraction. That is, since

$$7 < 8 < 9$$

$$\text{we have } \frac{5}{9} < \frac{5}{8} < \frac{5}{7}.$$

• • • CHECK YOURSELF 1

Order the fractions $\frac{3}{4}$, $\frac{3}{8}$, $\frac{3}{5}$ from least to greatest.

• • • CHECK YOURSELF ANSWER

1. $\frac{3}{8} < \frac{3}{5} < \frac{3}{4}.$

2.20 Exercises

Name _____

Section _____

Date _____

A N S W E R S

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____

Order the following from least to greatest.

1. $\frac{6}{7}, \frac{6}{11}, \frac{6}{9}$

2. $\frac{4}{5}, \frac{4}{9}, \frac{4}{7}$

3. $\frac{11}{15}, \frac{11}{21}, \frac{11}{13}$

4. $\frac{8}{9}, \frac{8}{13}, \frac{8}{15}$

5. $\frac{17}{33}, \frac{17}{43}, \frac{17}{53}$

6. $\frac{2}{9}, \frac{2}{7}, \frac{2}{13}$

7. $\frac{7}{9}, \frac{7}{16}, \frac{7}{25}$

8. $\frac{9}{59}, \frac{9}{11}, \frac{9}{32}$

9. $\frac{10}{13}, \frac{10}{17}, \frac{10}{23}$

10. $\frac{1}{4}, \frac{1}{12}, \frac{1}{7}$

11. $\frac{4}{9}, \frac{4}{13}, \frac{4}{81}$

12. $\frac{6}{13}, \frac{6}{17}, \frac{6}{29}$