

## Expressing Fractions in Lowest Terms

### Jefferson Davis Learning Center

Example: Express  $\frac{63}{72}$  in lowest terms.

Solution:  $\frac{63}{72} = \frac{63 \div 9}{72 \div 9} = \frac{7}{8}$

Directions: Express the following fraction in lowest terms.

Set 1

1.  $\frac{2}{4}$

2.  $\frac{5}{15}$

3.  $\frac{7}{21}$

4.  $\frac{3}{12}$

5.  $\frac{7}{35}$

6.  $\frac{3}{18}$

7.  $\frac{2}{12}$

8.  $\frac{11}{88}$

9.  $\frac{23}{46}$

10.  $\frac{31}{93}$

Set 2

1.  $\frac{8}{16}$

2.  $\frac{4}{40}$

3.  $\frac{8}{48}$

4.  $\frac{6}{42}$

5.  $\frac{9}{54}$

6.  $\frac{12}{36}$

7.  $\frac{15}{45}$

8.  $\frac{32}{96}$

9.  $\frac{21}{84}$

10.  $\frac{27}{81}$

Set 3

1.  $\frac{8}{10}$

2.  $\frac{4}{6}$

3.  $\frac{6}{20}$

4.  $\frac{10}{25}$

5.  $\frac{9}{12}$

6.  $\frac{6}{15}$

7.  $\frac{10}{16}$

8.  $\frac{14}{18}$

9.  $\frac{21}{28}$

10.  $\frac{18}{32}$

Set 4

1.  $\frac{36}{60}$

2.  $\frac{12}{16}$

3.  $\frac{8}{20}$

4.  $\frac{18}{24}$

5.  $\frac{24}{32}$

6.  $\frac{20}{36}$

7.  $\frac{32}{48}$

8.  $\frac{50}{75}$

9.  $\frac{42}{60}$

10.  $\frac{56}{64}$

Answers:

Set 1	$\frac{1}{2}$ ,	$\frac{1}{3}$ ,	$\frac{1}{3}$ ,	$\frac{1}{4}$ ,	$\frac{1}{5}$ ,	$\frac{1}{6}$ ,	$\frac{1}{6}$ ,	$\frac{1}{8}$ ,	$\frac{1}{2}$ ,	$\frac{1}{3}$
Set 2	$\frac{1}{2}$ ,	$\frac{1}{10}$ ,	$\frac{1}{6}$ ,	$\frac{1}{7}$ ,	$\frac{1}{6}$ ,	$\frac{1}{3}$ ,	$\frac{1}{3}$ ,	$\frac{1}{3}$ ,	$\frac{1}{4}$ ,	$\frac{1}{3}$
Set 3	$\frac{4}{5}$ ,	$\frac{2}{3}$ ,	$\frac{3}{10}$ ,	$\frac{2}{5}$ ,	$\frac{3}{4}$ ,	$\frac{2}{5}$ ,	$\frac{5}{8}$ ,	$\frac{7}{9}$ ,	$\frac{3}{4}$ ,	$\frac{9}{16}$
Set 4	$\frac{3}{5}$ ,	$\frac{3}{4}$ ,	$\frac{2}{5}$ ,	$\frac{3}{4}$ ,	$\frac{3}{4}$ ,	$\frac{5}{9}$ ,	$\frac{2}{3}$ ,	$\frac{2}{3}$ ,	$\frac{7}{10}$ ,	$\frac{7}{8}$