# Simplifying fractions

Building up

Name _____

## Round 1 Simplifying, with diagrams

Correct:

1  $\frac{4}{6} = \frac{\square}{\square}$

2  $\frac{2}{4} = \frac{\square}{\square}$

3  $\frac{6}{10} = \frac{\square}{\square}$

4  $\frac{10}{12} = \frac{\square}{\square}$

5  $\frac{3}{9} = \frac{\square}{\square}$

6  $\frac{3}{12} = \frac{\square}{\square}$

7  $\frac{2}{6} = \frac{\square}{\square}$

8  $\frac{9}{12} = \frac{\square}{\square}$

9  $\frac{3}{6} = \frac{\square}{\square}$

10  $\frac{4}{10} = \frac{\square}{\square}$

## Round 2 Simplifying

Correct:

1 $\frac{14}{24} = \frac{\square}{\square}$

2 $\frac{15}{21} = \frac{\square}{\square}$

3 $\frac{3}{9} = \frac{\square}{\square}$

4 $\frac{2}{6} = \frac{\square}{\square}$

5 $\frac{5}{15} = \frac{\square}{\square}$

6 $\frac{8}{10} = \frac{\square}{\square}$

7 $\frac{9}{12} = \frac{\square}{\square}$

8 $\frac{6}{10} = \frac{\square}{\square}$

9 $\frac{4}{6} = \frac{\square}{\square}$

10 $\frac{14}{35} = \frac{\square}{\square}$

## Round 3 Simplifying › As small as it goes

Correct:

1 $\frac{20}{32} = \frac{\square}{\square}$

2 $\frac{12}{28} = \frac{\square}{\square}$

3 $\frac{27}{45} = \frac{\square}{\square}$

4 $\frac{12}{30} = \frac{\square}{\square}$

5 $\frac{50}{70} = \frac{\square}{\square}$

6 $\frac{6}{12} = \frac{\square}{\square}$

7 $\frac{6}{42} = \frac{\square}{\square}$

8 $\frac{8}{40} = \frac{\square}{\square}$

9 $\frac{4}{16} = \frac{\square}{\square}$

10 $\frac{12}{16} = \frac{\square}{\square}$



Time: _____

Correct: _____ /30

# Simplifying fractions: Answers

Building up

## Round 1 Simplifying, with diagrams

1  $\frac{4}{6} = \frac{2}{3}$

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

3  $\frac{6}{10} = \frac{3}{5}$

4  $\frac{10}{12} = \frac{5}{6}$

5  $\frac{3}{9} = \frac{1}{3}$

6  $\frac{3}{12} = \frac{1}{4}$

7  $\frac{2}{6} = \frac{1}{3}$

8  $\frac{9}{12} = \frac{3}{4}$

9  $\frac{3}{6} = \frac{1}{2}$

10  $\frac{4}{10} = \frac{2}{5}$

## Round 2 Simplifying

1 $\frac{14}{24} = \frac{7}{12}$

2 $\frac{15}{21} = \frac{5}{7}$

3 $\frac{3}{9} = \frac{1}{3}$

4 $\frac{2}{6} = \frac{1}{3}$

5 $\frac{5}{15} = \frac{1}{3}$

6 $\frac{8}{10} = \frac{4}{5}$

7 $\frac{9}{12} = \frac{3}{4}$

8 $\frac{6}{10} = \frac{3}{5}$

9 $\frac{4}{6} = \frac{2}{3}$

10 $\frac{14}{35} = \frac{2}{5}$

## Round 3 Simplifying › As small as it goes

1 $\frac{20}{32} = \frac{5}{8}$

2 $\frac{12}{28} = \frac{3}{7}$

3 $\frac{27}{45} = \frac{3}{5}$

4 $\frac{12}{30} = \frac{2}{5}$

5 $\frac{50}{70} = \frac{5}{7}$

6 $\frac{6}{12} = \frac{1}{2}$

7 $\frac{6}{42} = \frac{1}{7}$

8 $\frac{8}{40} = \frac{1}{5}$

9 $\frac{4}{16} = \frac{1}{4}$

10 $\frac{12}{16} = \frac{3}{4}$