

Outcome 1 - Simplifying Fractions

Bronze examples

Examples...

Simplify the following fractions...

$$\frac{8}{16} = \frac{1}{2} \quad \frac{6}{24} = \frac{1}{4}$$

Divide top and bottom by 8 **Divide top and bottom by 6**

Silver examples

Examples...

Simplify the following fractions...

$$\frac{12}{20} = \frac{3}{5} \quad \frac{12}{54} = \frac{2}{9}$$

Divide top and bottom by 4 **Divide top and bottom by 6**

Gold examples

Examples...

Simplify the following fractions...

$$\frac{150}{250} = \frac{3}{5} \quad \frac{320}{640} = \frac{4}{8}$$

Divide top and bottom by 50 **Divide top and bottom by 80**

Bronze Questions

Simplify the following fractions...

1

$$\frac{2}{16}$$

2

$$\frac{4}{8}$$

3

$$\frac{3}{18}$$

4

$$\frac{8}{56}$$

5

$$\frac{4}{48}$$

6

$$\frac{7}{35}$$

7

$$\frac{6}{24}$$

8

$$\frac{5}{55}$$

Silver Questions

Simplify the following fractions...

1

$$\frac{15}{35}$$

2

$$\frac{12}{30}$$

3

$$\frac{36}{66}$$

4

$$\frac{35}{63}$$

5

$$\frac{28}{63}$$

6

$$\frac{18}{48}$$

7

$$\frac{21}{28}$$

8

$$\frac{60}{84}$$

Gold Questions

Simplify the following fractions...

1

$$\frac{420}{540}$$

2

$$\frac{160}{400}$$

3

$$\frac{300}{700}$$

4

$$\frac{350}{420}$$

5

$$\frac{80}{220}$$

6

$$\frac{100}{350}$$

7

$$\frac{270}{720}$$

8

$$\frac{480}{600}$$

Bronze Answers

- | | | | |
|----|----------------|----|----------------|
| 1. | $\frac{1}{8}$ | 2. | $\frac{1}{2}$ |
| 3. | $\frac{1}{6}$ | 4. | $\frac{1}{7}$ |
| 5. | $\frac{1}{12}$ | 6. | $\frac{1}{5}$ |
| 7. | $\frac{1}{4}$ | 8. | $\frac{1}{11}$ |

Silver Answers

- | | | | |
|----|----------------|----|---------------|
| 1. | $\frac{3}{7}$ | 2. | $\frac{2}{5}$ |
| 3. | $\frac{6}{11}$ | 4. | $\frac{5}{9}$ |
| 5. | $\frac{4}{9}$ | 6. | $\frac{3}{8}$ |
| 7. | $\frac{3}{4}$ | 8. | $\frac{5}{7}$ |

Gold Answers

- | | | | |
|----|----------------|----|---------------|
| 1. | $\frac{7}{9}$ | 2. | $\frac{2}{5}$ |
| 3. | $\frac{3}{7}$ | 4. | $\frac{5}{6}$ |
| 5. | $\frac{4}{11}$ | 6. | $\frac{2}{7}$ |
| 7. | $\frac{3}{8}$ | 8. | $\frac{4}{5}$ |