Worksheet 6 Year 5 8.6.20

Simplifying Fractions

Aim: use common factors to simplify fractions

Use common factors, simplify the following fractions to their simplest form:

1. $\frac{4}{16} = __$
2. $\frac{14}{21} = __$
3. $\frac{6}{15} = __$
4. $\frac{18}{34} = __$
5. $\frac{9}{12} = __$
6. $\frac{36}{45} = __$
7. $\frac{12}{20} = __$
8. $\frac{42}{64} = __$
9. $\frac{15}{24} = __$
10. $\frac{15}{35} = __$
11. $\frac{14}{16} = __$
12. $\frac{3}{33} = __$
13. $\frac{9}{18} = __$
14 $\frac{9}{27} = __$
15. $\frac{15}{25} = __$
16. $\frac{18}{54} = __$
17. $\frac{6}{8} = __$
18. $\frac{42}{49} = __$

Challenge: Devise your own for a friend.

Simplifying Fractions Answer Sheet

Aim: use common factors to simplify fractions

Use common factors, simplify the following fractions to their simplest form:

1. $\frac{4}{16} = \frac{1}{4}$
2. $\frac{14}{21} = \frac{2}{3}$
3. $\frac{6}{15} = \frac{2}{5}$
4. $\frac{18}{34} = \frac{9}{17}$
5. $\frac{9}{12} = \frac{3}{4}$
6. $\frac{36}{45} = \frac{4}{5}$
7. $\frac{12}{20} = \frac{3}{5}$
8. $\frac{42}{64} = \frac{21}{32}$
9. $\frac{15}{24} = \frac{5}{8}$
10. $\frac{15}{35} = \frac{3}{7}$
11. $\frac{14}{16} = \frac{7}{8}$
12. $\frac{3}{33} = \frac{1}{11}$
13. $\frac{9}{18} = \frac{1}{2}$
14 $\frac{9}{27} = \frac{1}{3}$
15. $\frac{15}{25} = \frac{3}{5}$
16. $\frac{18}{54} = \frac{1}{3}$
17. $\frac{6}{8} = \frac{3}{4}$
18. $\frac{42}{49} = \frac{6}{7}$

Challenge: Devise your own for a friend.