

ANSWER KEY Extra Practice: 3.3 Simplifying Fractions

Simplify each. Write your answer as a mixed number when possible.

1) $\frac{8}{20}$ $2/5$

2) $\frac{16}{28}$ $4/7$

3) $\frac{36}{126}$ $2/7$

4) $\frac{9}{36}$ $1/4$

5) $\frac{18}{30}$ $3/5$

6) $\frac{126}{144}$ $7/8$

7) $\frac{6}{30}$ $1/5$

8) $\frac{8}{12}$ $2/3$

9) $\frac{50}{70}$ $5/7$

10) $\frac{4}{28}$ $1/7$

Simplify. Your answer should contain only positive exponents.

11) $\frac{8n^4}{5n}$ $8n^3/5$

12) $\frac{5n^2}{4n^2}$ $5/4$

13) $\frac{7n^2}{6n^2}$ $7/6$

14) $\frac{8k^3}{2k^4}$ $4/k$

15) $\frac{4b^4}{3b^3}$ $4b/3$

16) $\frac{6x^2}{4x^3}$ $3/2x$

17) $\frac{6b^4}{4b^2}$ $3b^2/2$

18) $\frac{4m^3}{5m^3}$ $4/5$