NAME

Module 1 Getting Ready for Algebra
Lesson 3 Simplifying Expressions with Rational Numbers

additional practice

Simplify each expression.

1. $\frac{1}{3} + \frac{2}{9}$ — $\frac{5}{9}$
2. $\frac{3}{5} + \frac{1}{2}$ — $\frac{11}{10}$ or $1\frac{1}{10}$
3. $\frac{4}{7} + \frac{2}{3}$ — $\frac{26}{21}$ or $1\frac{5}{21}$
4. $\frac{5}{6} + \frac{1}{4}$ — $\frac{13}{12}$ or $1\frac{1}{12}$
5. $\frac{7}{9} + \frac{3}{4}$ — $\frac{55}{36}$ or $1\frac{19}{36}$
6. $\frac{3}{4} - \frac{2}{3}$ — $\frac{1}{12}$
7. $\frac{4}{5} - \frac{1}{3}$ — $\frac{7}{15}$
8. $\frac{9}{11} - \frac{1}{2}$ — $\frac{7}{22}$
9. $\frac{2}{7} - \frac{2}{5}$ — $-\frac{4}{35}$
10. $\frac{1}{3} - \frac{7}{9}$ — $-\frac{4}{9}$
11. $\left(-\frac{3}{4}\right)\left(-\frac{1}{5}\right)$ — $\frac{3}{20}$
12. $\left(\frac{2}{3}\right)\left(-\frac{1}{8}\right)$ — $-\frac{1}{12}$
13. $\left(\frac{5}{12}\right)\left(\frac{4}{5}\right)$ — $\frac{1}{3}$
14. $\left(-\frac{1}{2}\right)\left(\frac{3}{7}\right)$ — $-\frac{3}{14}$
15. $15 \times \left(\frac{2}{5}\right)$ — 6
16. $\frac{1}{2} \div \frac{1}{8}$ — 4
17. $\frac{3}{4} \div \frac{3}{16}$ — 4
18. $-\frac{5}{12} \div -\frac{1}{4}$ — $\frac{5}{3}$ or $1\frac{2}{3}$
19. $-\frac{2}{3} \div 1$ — $-\frac{2}{3}$
20. $7 \div -\frac{2}{3}$ — $-\frac{21}{2}$ or $-10\frac{1}{2}$
21. $3.1 + 0.24$ — 3.34
22. $9.99 + 1.16$ — 11.15
23. $-7.3 + 2.5$ — –4.8
24. $1.01 + (-2.5)$ — –1.49
25. $-0.2 + (-1.8)$ — –2
26. $19.99 - 3.23$ — 16.76
27. $-5.7 - (-4.22)$ — –1.48
28. $12 - (-3.5)$ — 15.5
29. $0.2 - 2$ — –1.8
30. $1.11 - (-2.4)$ — 3.51
31. $(3.5)(0.1)$ — 0.35
32. $(-7.2)(-8.1)$ — 58.32
33. $(4.01)(-2)$ — –8.02
34. $(0.09)(6)$ — 0.54
35. $(-7.43)(0.03)$ — –0.2229
36. $3\overline{)9.27}$ — 3.09
37. $0.5\overline{)1.17}$ — 2.34
38. $15.75 \div 1.5$ — 10.5
39. $-4.64 \div 16$ — –0.29
40. $-1.11 \div -0.1$ — 11.1

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