

Algebra I Integers, Percents, Decimals, & Fractions

1.4 Equivalent & Simplifying Fractions

Sponge Problems

1. What is the value of $\sqrt{144}$? (M.8.A.1.1.2)
A. 12 B. 72 C. 286 D. 20,736
2. What number represents 6.4×10^4 written in standard notation? (M.11.A.1.1.1)
A. 0.00064 B. 0.000064 C. 64,000 D. 640,000

Review Problems

Perform the indicated operation.

3. $3.56 + 2.74$
4. $12.7 + 93.8$
5. $38.45 - 19.57$
6. $741.52 - 48.66$
7. 98×2.3
8. 0.62×46
9. $2.7 \div 6$
10. $3.8 \div 4$

1.4 Problem Set

Write two fractions that are equivalent to the given fraction.

11. $\frac{9}{12}$
12. $\frac{4}{6}$
13. $\frac{1}{2}$
14. $\frac{2}{5}$
15. $\frac{10}{14}$

Write the fraction in simplest form.

16. $\frac{16}{24}$
17. $\frac{3}{12}$
18. $\frac{30}{48}$
19. $\frac{5}{40}$
20. $\frac{8}{20}$
21. $\frac{4}{16}$
22. $\frac{64}{72}$
23. $\frac{35}{100}$
24. $\frac{21}{81}$
25. $\frac{44}{55}$
26. $\frac{15}{20}$
27. $\frac{12}{28}$
28. $\frac{15}{39}$
29. $\frac{24}{78}$
30. $\frac{60}{96}$