

1. $\frac{1}{3}$
2. $\frac{3}{2}$
3. $\frac{1}{9}$
4. $\frac{3}{25}$
5. $\frac{1}{10}$
6. $\frac{3}{8}$
7. $\frac{7}{9}$
8. $\frac{8}{11}$
9. $\frac{1}{4}$
10. $\frac{49}{50}$
11. $\frac{14}{25}$
12. $\frac{3}{5}$
13. 48 ft/s
14. 6 gal/min
15. 52 mi/h
16. 4 c/d
17. $\frac{1}{2}$
18. 360
19. 19.2
20. 51,000
21. $117\frac{1}{3}$
22. 900
23. $\frac{3}{4}$
24. $\frac{5}{2}$
25. $\frac{4}{3}$
26. $\frac{5}{9}$
27. Anna; $\frac{3}{8}$ mi/h
28. 235 m/s
29. Answers may vary. Sample: $\frac{100 \text{ ft}}{1 \text{ min}} \cdot \frac{12 \text{ in.}}{1 \text{ ft}} \cdot \frac{1 \text{ min}}{60 \text{ s}}$ shows that $100 \div 5$, not $100 \cdot 5$, gives inches per second.
30. class A: $\frac{6}{30}$ or $\frac{1}{5}$; class B: $\frac{4}{24}$ or $\frac{1}{6}$
31. class A
32. Answers may vary. Sample: Usually not; adding 1 to both the numerator and the denominator leaves the ratio unchanged only when $a = b$; $\frac{1}{1} = \frac{1+1}{1+1}$, but $\frac{1}{2} \neq \frac{1+1}{2+1}$, or $\frac{2}{3}$.
33. 19.3 g/cm³