

1. a) 479,001,600 b) 79,833,600 2. a) 1 b) 10
3. a) 468,000 b) 486,720 5. a) 57 b) 60th percentile
8. a) $\frac{235}{300}$ b) $\frac{40}{300}$ c) $\frac{100}{300}$ d) $\frac{70}{175}$ e) $\frac{60}{90}$
9. a) $\frac{5}{8}$ b) $\frac{5}{8}$ c) $\frac{2}{8}$ d) $\frac{2}{8}$
10. a) $\frac{30}{225}$ b) $\frac{16}{225}$ 11. a) $\frac{380}{1056}$ b) $\frac{30}{1056}$
12. 880 13. 67.6% 14. 55.8%
15. a) 68% b) $\pm 3\%$ c) 56% to 71%
16. a) 97.5% b) 84% c) 81.5% d) 16%
17. a) $\frac{29}{72}$ b) $\frac{49}{72}$ c) $\frac{6}{72}$ d) $\frac{62}{72}$ e) $\frac{25}{72}$