
WORKED-OUT SOLUTIONS TO SAMPLE CIVIL SERVICE EXAMINATIONS

1. $\frac{54}{9} = 6 \times .03 = .18$ 1. C
2. $.7058 = .71$ 2. B
3. $\frac{9}{4} \times \frac{11}{2} = \frac{99}{8} = 12\frac{3}{8}$ 3. D
4. $6 \times \frac{2}{3} = 4$ 4. B
5. $.8 \times .75 \times .9 = .54$ $1.00 - .54 = .46 = 46\%$ 5. C
6. $\$800 = \8.00 6. C
7.
$$\begin{array}{r} 31 \\ \text{March} \quad \underline{-10} \\ 21 \\ \text{April} \quad \underline{+30} \\ 51 \\ \text{May} \quad \underline{+9} \\ 60 \end{array}$$
 7. C
8. $5 \div 24 = \frac{\$.40}{.21}$ (per copy)
 $\frac{\$.19}{.40} = 47.5\%$ (savings) 8. A
9. $\$100,000 \times .08 = \$ 8,000$
 $\$ 20,000 \times .125 = \underline{2,500}$
 $\$10,500$
 $\underline{-1,825}$
 $\$ 8,675$ 9. B
10. $\$ 176$
 $\times .20$
 $\$ 35.20 + (5 \times 32)$
 $\$ 35.20 + \$160 = \$ 195.20$
 $\underline{-176.00}$
 $\$ 19.20$ 10. C
11. 26.2%
 28.4%
 12.0%
 $\underline{12.7\%}$
 79.3% 100.0%
 $\underline{-79.3\%}$
 20.7% $.207 \times \$10,000 = \$2,070$ 11. D

$$12. \quad \frac{\$7.20}{.80} = \$9.00$$

12. B

$$13. \quad \$680 \times .095 \times .5 = \$32.30$$

13. C

$$14. \quad \begin{array}{r} 6\frac{5}{8} = 5\frac{13}{8} \\ -2\frac{6}{8} \quad -2\frac{6}{8} \\ \hline \quad \quad 3\frac{7}{8} \end{array}$$

$$3\frac{7}{8} \div \frac{4}{5} = \frac{31}{8} \times \frac{5}{4} = \frac{155}{32} = 4\frac{27}{32}$$

14. C

$$15. \quad \frac{450}{600} = .75 = 75\%$$

15. D