

Practice Exercise 1

1. $[2 + (3 \times 2)] = ?$
 A. 7
 B. 8
 C. 10
 D. 12
 E. 18
2. $16 + 20 \div 4 - 2 \times 2 = ?$
 A. 5
 B. 10
 C. 14
 D. 17
 E. 38
3. $\frac{5}{6} + \frac{5}{8} \times \frac{2}{3} = ?$
 A. $\frac{5}{9}$
 B. $\frac{10}{21}$
 C. $\frac{35}{36}$
 D. $1\frac{1}{4}$
 E. None of the above
4. $\frac{\frac{1}{2} + \frac{1}{5}}{\frac{1}{4}} = ?$
 A. $\frac{1}{14}$
 B. $\frac{3}{11}$
 C. $\frac{7}{40}$
 D. $1\frac{1}{7}$
 E. $2\frac{4}{5}$
5. What is the percent equivalent of .06?
 A. .006%
 B. .06%
 C. .6%
 D. 6%
 E. 60%
6. What is the decimal equivalent of $\frac{1}{12}$?
 A. $.08\bar{3}$
 B. $.008\bar{3}$
 C. .12
 D. .012
 E. None of the above
7. If $7x + 6 = 27$, then $x = ?$
 A. 2
 B. 3
 C. 9
 D. 13
 E. 21
8. If $3(y + 2) = 2(y + 4)$, then $y = ?$
 A. $\frac{1}{2}$
 B. 1
 C. 2
 D. 4
 E. 8
Handwritten work:
 $3y + 6 = 2y + 8$
 $y + 6 = 8$
 $y = 2$
9. Simplify: $\left(1 - \frac{1}{2}\right)\left(1 - \frac{1}{3}\right)\left(1 - \frac{1}{4}\right)\left(1 - \frac{1}{5}\right) =$
 A. $\frac{1}{5}$
 B. $\frac{1}{2}$
 C. 0
 D. 1
 E. 5
10. Solve for the variable: $\frac{5}{2x} = -\frac{1}{4}$
 A. 20
 B. -10
 C. -5
 D. -20
 E. 10
Handwritten work:
 $10 = -1x$