These are optional practice questions.

1. $3 \times 4 + 2$

2. $3 + 4 \times 2$

3. $(3 + 4) \times 2$

4. $5 \times 3 - 2 \times 4$

5. $20 \div 4 + 1$

6. $20 \div (4 + 1)$

7. $4 - 6 \div 2 + 3 \times 5 - 12 \div 3$

8. Insert one of $< > \leq \geq =$ to make the following true:

   a) 3   5   b) 7   3

   c) -1   5   d) -4   -8

   e) 3   7   f) 7   -7

9. Simplify the following:

   a) $|6|$

   b) $|-9|$

   c) $-|7|$

   d) $-|3 - 7|$

10. Write 45 as a product of its prime factors.

11. Evaluate the following:

   a) $\frac{1}{2} \times \frac{2}{3}$

   b) $\frac{3}{8} \times \frac{1}{3}$

   c) $\frac{5}{8} \div \frac{1}{2}$

   d) $\frac{7}{8} \div \frac{2}{3}$

   e) $\frac{1}{2} + \frac{2}{3}$

   f) $\frac{7}{8} - \frac{2}{3}$

   g) $\frac{1}{2} + \frac{5}{8} \times \frac{2}{3}$

12. Evaluate the following:

   a) 2^5

   b) 3^4

   c) 1^{12}

   d) $(-2)^3$

   e) $4^2 + 2^3 - 3^{(1/2 \times 4)}$