Instructions:

- Solve all problems.

- All fractions in your answers should be in **lowest terms.**

1. Arrange in increasing order:
$$\frac{3}{4}, \frac{5}{8}, \frac{7}{12}, \frac{5}{6}$$

2. Compute:

   (a) $2 + 3 \times (7 - 5)$

   (b) $\dfrac{5}{6} + \dfrac{3}{8}$

   (c) $\dfrac{7}{8} - \dfrac{5}{12}$

   (d) $\dfrac{7}{20} \times \dfrac{15}{14}$

   (e) $\dfrac{15}{16} \div \dfrac{8}{9}$

   (f) $6\dfrac{1}{2} - 3\dfrac{1}{4}$

3. Add:

   (a) $4.13 + 13.5$

   (b) $1442.05 + 0.052$

4. Subtract:

   (a) $42.43 - 24.37$

   (b) $132.604 - 0.057$

5. Multiply:

   (a) 2.01×13.001

   (b) 0.025×321.2

6. Divide. Round off to the nearest hundredth.

   (a) $42.43 \div 12$

   (b) $3.272 \div 0.025$

7. Find the exact value of

   (a) $42.2 \div 3$

   (b) $0.1 \div 7$

8. Convert. Do not forget to write all fractions in lowest terms.

   (a) $\dfrac{65}{13}$ to a mixed number

   (b) $11\dfrac{7}{8}$ to an improper fraction

   (c) 0.42 to percent

   (d) 0.42 to a fraction

   (e) 31% to a decimal

   (f) 31% to a fraction

   (g) $\dfrac{3}{8}$ to a decimal

   (h) $\dfrac{3}{8}$ to percent.

9. Change to a decimal rounded to the nearest tenth:

   (a) $\dfrac{4}{7}$

   (b) 68.89%

10. Find:

   (a) $\dfrac{5}{6}$ of 78

   (b) 23% of 57.

11. Jane's annual salary was \$32,540. She got a 7% raise. What is her new annual salary?

12. A club sells 40 tickets to a dance at \$25 each. Their expenses are \$687.40. What profit do they make?

13. A store has a 20% off sale. The price of a jacket before the discount is \$85. What is the sale price?