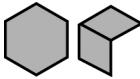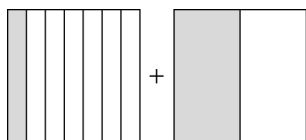# Chapter 7 Test

For #1 to #5, select the Key Word that completes each statement.
Each Key Word may be used more than once.
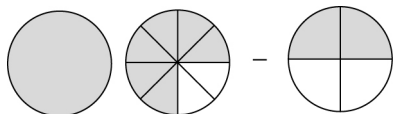
1. 6, 12, 18, and 24 are each a(n) _____ of 6.

2. If one hexagon is one whole, then [hexagon and rhombus shapes] shows a(n) _____.

3. For the fractions $\frac{3}{8}$ and $\frac{5}{6}$, the number 24 is a(n) _____.

4. $\frac{12}{5}$ is an example of a(n) _____.

5. $5\frac{2}{9}$ is an example of a(n) _____.

A common denominator

B multiple

C mixed number

D improper fraction

For #6 to #8, select the correct answer.

6. Which number is a common denominator for $\frac{1}{5}$ and $\frac{1}{4}$?

    A 1   **B** 10   **C** 20   **D** 30

7. What is the sum of the shaded parts in the diagram?

    A $\frac{2}{3}$ **B** $\frac{5}{8}$ **C** $\frac{6}{11}$ **D** $\frac{9}{14}$
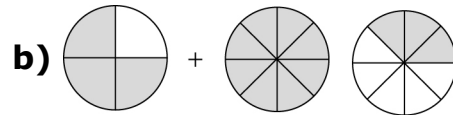
8. Which subtraction statement best describes the diagram.

    A $1\frac{3}{4} - \frac{1}{2}$ **B** $1\frac{1}{4} - 2\frac{1}{2}$ **C** $3\frac{1}{2} - 1\frac{1}{4}$ **D** $3\frac{1}{2} - \frac{1}{4}$

Short Answer

9. James is making a salad dressing using $\frac{1}{2}$ cup olive oil and $\frac{1}{3}$ cup vinegar.

He pours the oil and vinegar into a jar. In total, how many cups of dressing does James have?

10. Write a mathematical statement for each diagram. Then, solve. Write each answer in lowest terms.

a)   **b)**

11. Add or subtract. Write each answer in lowest terms.

a) $\frac{5}{6} + \frac{1}{3}$ **b)** $\frac{2}{3} + \frac{3}{4}$ **c)** $2\frac{1}{7} + 4\frac{2}{7}$ **d)** $4\frac{3}{10} + 7\frac{1}{2}$

e) $1\frac{4}{5} - \frac{3}{5}$ **f)** $\frac{3}{4} - \frac{1}{3}$ **g)** $2\frac{3}{10} - \frac{4}{5}$ **h)** $3\frac{4}{5} - 1\frac{3}{7}$

12. Leanne is learning a new dance routine. On Saturday, she rehearsed for $1\frac{2}{3}$ h. On Sunday, she rehearsed for $2\frac{1}{4}$ h. How long did Leanne spend rehearsing this weekend?

13. After $2\frac{2}{5}$ h, a baseball game was almost over when the score became tied.

The extra innings extended the total playing time to $4\frac{1}{4}$ h. How long did the extra innings take?

Extended Response

14. Gerry and Raj operate cement-mixing trucks. On Monday morning, they each had a full truck of cement. By lunch time, Gerry had poured $\frac{7}{16}$ of his truck's cement, and Raj had poured $\frac{5}{8}$ of his truck's cement.

a) Did they pour more or less than a total of one full truck of cement before stopping for lunch?

b) How much cement did each person have in his truck at lunch time?