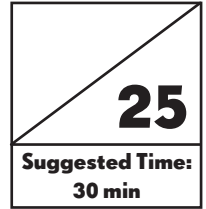


TEST PREP
3

Fractions and Mixed Numbers



Multiple Choice

(5 × 2 points = 10 points)

Fill in the circle next to the correct answer.

- Which fraction has the same value as $\frac{3}{5} + \frac{1}{3}$?
 (A) $\frac{2}{15}$ (B) $\frac{4}{15}$ (C) $\frac{1}{2}$ (D) $\frac{14}{15}$
- What is the value of $\frac{7}{10} - \frac{3}{6}$?
 (A) $\frac{1}{15}$ (B) $\frac{2}{15}$ (C) $\frac{1}{5}$ (D) 1
- What is $25 \div 7$ expressed as a mixed number?
 (A) $3\frac{4}{7}$ (B) $\frac{25}{7}$ (C) $2\frac{5}{7}$ (D) $5\frac{2}{7}$
- Which fraction has the same value as 0.65?
 (A) $\frac{65}{10}$ (B) $\frac{65}{50}$ (C) $\frac{13}{20}$ (D) $\frac{26}{50}$
- Mrs. Olive used $1\frac{2}{5}$ quarts of syrup and $5\frac{3}{10}$ quarts of water to make lemonade.
 How many quarts of lemonade did she make?
 (A) $6\frac{1}{2}$ (B) $6\frac{7}{10}$ (C) $7\frac{1}{2}$ (D) 8

Short Answer

(5 × 2 points = 10 points)

Add or subtract. Express each sum or difference in simplest form.

6. a. $2\frac{3}{4} + 3\frac{2}{5}$

b. $3\frac{1}{2} - 1\frac{7}{8}$

Estimate each sum or difference by using benchmarks.

7. a. $\frac{1}{4} + \frac{7}{12} + \frac{2}{3}$

b. $\frac{4}{5} - \frac{3}{7}$

Solve. Show your work.

- 8.** Gail baked some cookies. She sold $\frac{2}{7}$ of the cookies on Monday. She sold $\frac{1}{3}$ more of the cookies on Tuesday than on Monday. What fraction of the cookies did Gail sell on the two days?

Name: _____

Date: _____

Solve. Show your work.

9. Katie has a roll of ribbon that is 8 feet long. She cuts off 3 feet of ribbon and the remaining length is cut into 8 shorter pieces of equal length. What is the length of each shorter piece of ribbon?

10. An organic farm uses $\frac{3}{7}$ of the land to grow potatoes and $\frac{2}{5}$ of the land to grow spinach. The remaining land is used to grow tomato plants. What fraction of the land is used to grow tomato plants?

Extended Response

(Question 11: 2 points, Question 12: 3 points)

Solve. Show your work.

- 11.** Jenny uses $\frac{7}{9}$ gallon of water to water roses.
She uses $\frac{1}{4}$ gallon less water to water herbs.
How much water does Jenny use to water the roses and herbs?
- 12.** Julian and Stacey needed 10 liters of water to fill a tank. Stacey filled the tank with $3\frac{11}{12}$ liters of water. Julian poured $1\frac{2}{5}$ liters less than Stacey into the tank.
How much more water is still needed to fill the tank?