

Name: _____

Date: _____

SOL 4.5b,d ASSESSMENT

Directions: Solve for each of the problems. Write your answers in simplest form (reduced fraction or in a mixed number).

1. Solve for the common denominator of $\frac{1}{4}$ and $\frac{2}{6}$.

a. 10

b. 12

c. 24

d. 36

2. The best estimate for the sum of $\frac{3}{4}$ and $\frac{1}{2}$ is would be – (hint: draw your fraction models)

a. more than 0 but less than $\frac{1}{2}$ b. equal to $\frac{1}{2}$ c. more than $\frac{1}{2}$ but less than 1

d. greater than 1

3. Solve for the sum of $\frac{2}{6}$ and $\frac{1}{6}$

a. $\frac{1}{6}$ b. $\frac{3}{6}$ c. $\frac{1}{2}$ d. $\frac{3}{12}$

4. Solve for the difference of $\frac{4}{12}$ and $\frac{1}{12}$

a. $\frac{1}{4}$ b. $\frac{5}{12}$ c. $\frac{3}{12}$ d. $\frac{1}{2}$

5. Solve for the sum of $\frac{2}{5}$ and $\frac{4}{5}$

a. $\frac{6}{5}$ b. $\frac{6}{10}$ c. $\frac{2}{5}$ d. $1\frac{1}{5}$

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6. Solve for the difference of $\frac{4}{8}$ and $\frac{1}{4}$

a. $\frac{1}{4}$

c. $\frac{6}{8}$

b. $\frac{2}{8}$

d. $\frac{3}{12}$

7. Solve for the sum of $\frac{9}{12}$ and $\frac{3}{4}$

a. $\frac{12}{16}$

c. $\frac{0}{12}$

b. $\frac{18}{12}$

d. $1\frac{1}{2}$

8. Solve for the sum of $1\frac{2}{6}$ and $1\frac{1}{9}$

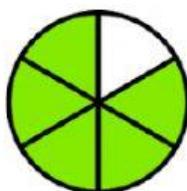
a. $2\frac{8}{18}$

c. $2\frac{4}{9}$

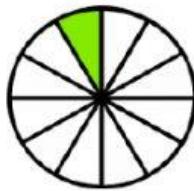
b. $2\frac{3}{15}$

d. $2\frac{4}{18}$

9.



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a. $\frac{4}{6}$

c. $\frac{9}{12}$

b. $\frac{6}{18}$

d. $\frac{3}{4}$

10. Sam ordered an x-large pizza for his party. If he ate $\frac{3}{8}$ of the pizza, and his brother ate $\frac{1}{4}$ of the pizza. How much pizza did they eat?

a. $\frac{5}{8}$

c. $\frac{1}{8}$

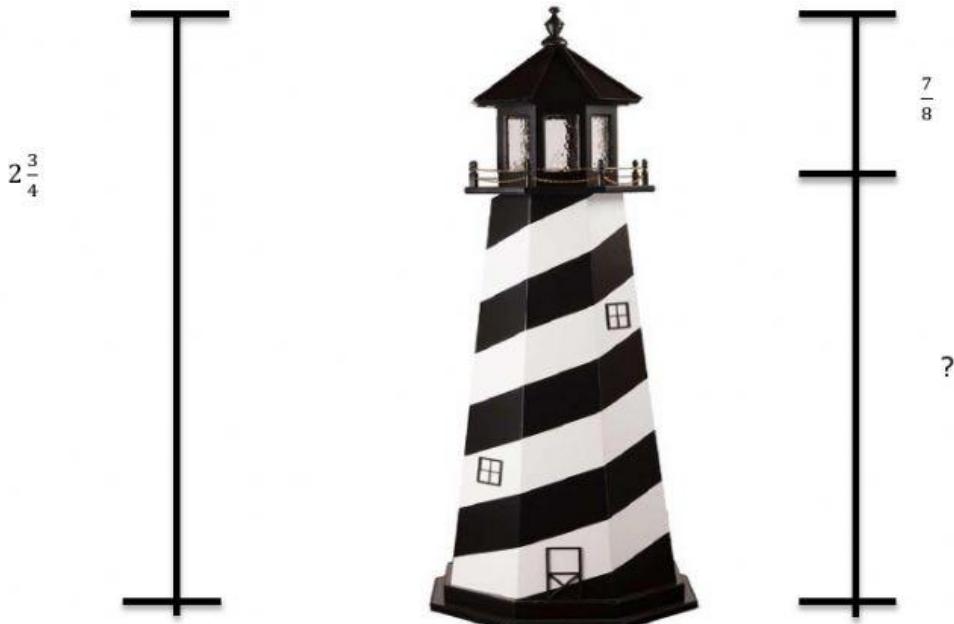
b. $\frac{3}{8}$

d. $\frac{7}{8}$

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11. A garden lighthouse with two levels has a total height of $2\frac{3}{4}$ feet. The height of the lantern structure is $\frac{7}{8}$ of a foot, as shown in the picture.



What is the height of the first level of this lighthouse?

a. $3\frac{5}{8}$

c. $1\frac{3}{4}$

b. $1\frac{7}{8}$

d. $1\frac{5}{8}$