STAPLE

Name _____

Gillespie

Course 1: Ch2 Test Review

Fraction Operations

Directions: When working each of the following questions, be sure to show all work. Your answer can be an improper fraction. We will cover converting from improper fractions to mixed numbers in the next section.

1) $\frac{3}{4} + \frac{1}{2}$

a) $\frac{4}{4}$

b) $\frac{5}{4}$

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

d) $\frac{9}{8}$

2) $2\frac{1}{5} + 4\frac{2}{5}$

a) $6\frac{3}{5}$

b) $\frac{3}{5}$

c) $6\frac{3}{25}$

d) $2\frac{1}{5}$

STAPL

3) Lily is painting her kitchen. She has $4\frac{2}{3}$ $gallons$ of paint. She needs $\frac{1}{4}$ $gallon$ for the trim and $3\frac{1}{2}$ gallons for the walls. Does she have enough paint to paint her kitchen?

a) $No, Lily\ needs\ 4\frac{1}{6}\ gallons\ \ of\ paint, and\ she\ has\ 4\frac{2}{3}\ gallons.$

b) $No, Lily\ needs\ 4\frac{5}{12}\ gallons\ \ of\ paint, and\ she\ has\ 4\frac{2}{3}\ gallons.$

c) $Yes, Lily\ needs\ 3\frac{3}{4}\ gallons\ \ of\ paint, and\ she\ has\ 4\frac{2}{3}\ gallons.$

d) $Yes, Lily\ needs\ 3\frac{7}{6}\ gallons\ \ of\ paint, and\ she\ has\ 4\frac{2}{3}\ gallons.$

4) $12\frac{2}{3} - 4\frac{1}{6}$

a) $8\frac{1}{2}$

b) $\frac{1}{2}$

c) $8\frac{1}{6}$

d) $8\frac{1}{12}$

5) $6\frac{5}{8} - \frac{1}{2}$

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

b) $6\frac{1}{2}$

c) $6\frac{9}{16}$

d) $6\frac{1}{8}$

STAPL

6) Jared has a plastic pipe $22\frac{6}{8}$ feet long. He used $8\frac{2}{3}$ feet for plumbing. Does he have enough plastic tubing for another job, which requires $12\frac{1}{2}$ feet of pipe?

a) $Yes, Jared\ needs\ 12\frac{1}{2}$ feet of pipe, $and\ he\ has\ 14\frac{1}{12}\ feet.$

b) $Yes, Jared\ needs\ 12\frac{1}{2}$ feet of pipe, $and\ he\ has\ 16\frac{1}{12}\ feet.$

c) $No, Jared\ needs\ 12\frac{1}{2}$ feet of pipe, $and\ he\ has\ 14\frac{2}{24}\ feet.$

d) $No, Jared\ needs\ 12\frac{1}{2}$ feet of pipe, $and\ he\ has\ 16\frac{2}{24}\ feet.$

7) $\frac{4}{5} * \frac{5}{6}$

a) $\frac{720}{30}$

b) $\frac{20}{50}$

c) $\frac{2}{3}$

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

8) $2\frac{2}{4} * 3\frac{2}{6}$

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

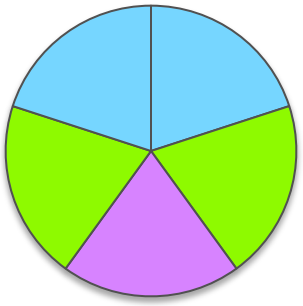
b) $\frac{25}{3}$

c) $\frac{200}{10}$

d) $\frac{50}{25}$

STAPL

9) A bag contains 50 pieces of candy. If $\frac{2}{5}$ of the pieces are green, how many pieces are not green?



a) $30\ pieces\ are\ not\ green$

b) $20\ pieces\ are\ not\ green$

c) $150\ pieces\ are\ not\ green$

d) $100\ pieces\ are\ not\ green$

10) $\frac{4}{9} \div \frac{11}{15}$

a) $\frac{66}{99}$

b) $\frac{60}{90}$

c) $\frac{44}{135}$

d) $\frac{20}{33}$

11) $\frac{16}{2} \div 1\frac{1}{2}$

a) $\frac{16}{2}$

b) $\frac{6}{1}$

c) $\frac{16}{3}$

d) 24

STAPL

12) $\frac{\frac{1}{5}}{\frac{2}{3}}$

a) $\frac{10}{3}$

b) $\frac{3}{7}$

c) $\frac{2}{15}$

d) $\frac{3}{10}$

13) $\frac{\frac{3}{8}}{\frac{3}{5}}$

a) $\frac{24}{15}$

b) $\frac{9}{40}$

c) $\frac{5}{6}$

d) $\frac{5}{8}$

14) $\frac{\frac{3}{8}}{\frac{12}{21}}$

a) $\frac{168}{36}$

b) $\frac{42}{9}$

c) $\frac{21}{32}$

d) $\frac{14}{3}$

15) Each dinner at the Shady Tree Truck Stop is served with $\frac{1}{2}$ cup of corn. If there are 16 cups of corn, how many dinners could be served?

a) 32

b) 4

c) $\frac{1}{2}$

d) 16