

Name _____

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

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

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) $\frac{1}{2}$

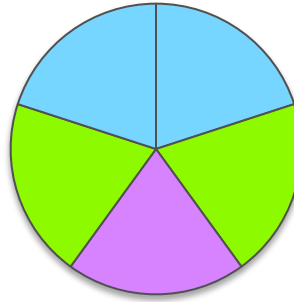
b) $\frac{25}{3}$

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

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

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

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

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