Name: _____

1. Calculate.

a) $\dfrac{2}{3} + \dfrac{7}{12}$ b) $\dfrac{4}{5} - \dfrac{2}{3}$ c) $\dfrac{1}{2} + \dfrac{3}{7}$ d) $\dfrac{5}{6} - \dfrac{3}{4}$

e) $3 \times \dfrac{3}{4}$ f) $8 \times \dfrac{1}{5}$ g) $\dfrac{1}{4} \times \dfrac{3}{5}$ h) $\dfrac{3}{5} \times \dfrac{2}{3}$

i) $\dfrac{1}{3} \div 2$ j) $\dfrac{2}{3} \div 4$ k) $\dfrac{2}{9} \div \dfrac{7}{9}$ l) $\dfrac{5}{6} \div \dfrac{2}{3}$

2. Calculate.

a) $2\dfrac{2}{3} + 1\dfrac{1}{6}$ b) $3\dfrac{1}{4} - 1\dfrac{1}{2}$ c) $2\dfrac{2}{3} \times 1\dfrac{1}{6}$ d) $3\dfrac{1}{4} \div 1\dfrac{1}{2}$

3. Draw and use a diagram to find the solution to the following problems:

a) $\dfrac{1}{5} \times \dfrac{3}{4}$ b) $2\dfrac{1}{3} \times 1\dfrac{1}{2}$ c) $3 \div \dfrac{2}{3}$ d) $1\dfrac{2}{3} \div \dfrac{1}{2}$

4. Karen goes to swimming practice for $1\frac{1}{3}$ hours each day. In the morning, she has $\frac{2}{3}$ hours of practice. How many hours of practice does she have in the afternoon?

5. At the school's Spring Fair, the student government sold $5\frac{1}{3}$ Hawaiian pizzas, $6\frac{3}{4}$ pepperoni pizzas and $4\frac{5}{6}$ cheese pizzas. How many pizzas did they sell all together?

6. At the age of 4, the average person is about $\frac{3}{5}$ as tall as they will be as an adult. At birth, the average person is about $\frac{1}{2}$ as tall as they will be at age 4. For the average person, what fraction of their height at birth is their height as an adult?

7. It took Sven $9\frac{3}{4}$ minutes to ski up a slope on a cross-country trail and only $2\frac{1}{4}$ minutes to ski back down. How many times faster did he ski down as he skied up?

8. A corner store buys goods at the wholesale price, and sells them for $\frac{7}{5}$ of the wholesale price. The wholesale price of a case of 12 cans of soup is $15. For how much does the store sell 1 can of soup?