

Date: _____

Chapter 15, Lesson C :Add and Subtract Fractions (15.C.1)

Q1. Fill in the blanks.

a) $\frac{3}{5} + \frac{2}{5} = \frac{5}{5} = 1$

b) $\frac{3}{7} + \frac{1}{7} = \frac{4}{7}$

c) $\frac{2}{6} + \frac{3}{6} = \frac{5}{6}$

Q2. Fill in the blanks.

a) $\frac{5}{5} 1 - \frac{3}{5} = \frac{2}{5}$

b) $\frac{6}{9} - \frac{2}{9} = \frac{4}{9}$

c) $\frac{7}{7} - \frac{3}{7} = \frac{4}{7}$

d) $\frac{5}{6} - \frac{1}{6} = \frac{4}{6}$

Q3. Sammy received some pocket money from his mother.

He spent $\frac{3}{8}$ of it on food and $\frac{2}{8}$ of it on drinks.

Sammy says that he had $\frac{5}{8}$ of his pocket money left.

Is he correct? Explain why.

what he spent

$$\frac{3}{8} + \frac{2}{8} = \frac{5}{8}$$

what is left

$$\frac{8}{8} - \frac{5}{8} = \frac{3}{8}$$

what he had in the beginning = $\frac{8}{8}$

No, he is not correct because he spent $\frac{5}{8}$

Q4. Hassan eats $\frac{1}{4}$ of a pizza.

Write the fraction of the pizza that is left.

$$\frac{4}{4} - \frac{1}{4} = \frac{3}{4}$$

the whole pizza is
 $\frac{4}{4}$



$$\frac{3}{4}$$

Q5. Carlos cycled $\frac{3}{5}$ of a km.

He cycled $\frac{1}{5}$ km farther than his brother.

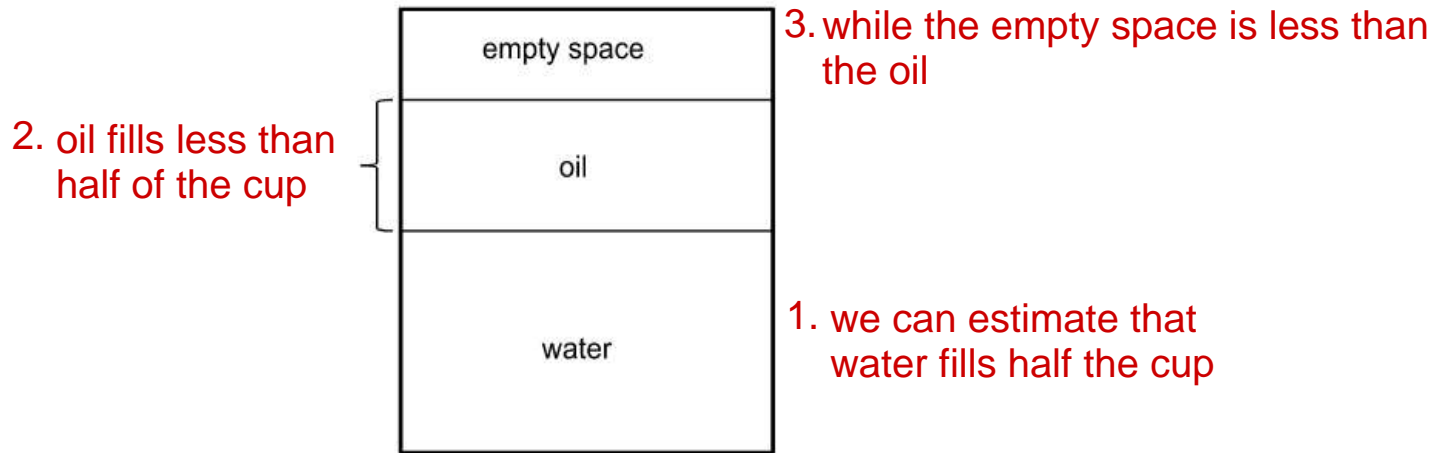
How far did his brother cycle?

Carlos cycled more than his brother.
so his brother cycled less than him
by $\frac{1}{5}$

$$\frac{3}{5} - \frac{1}{5} = \frac{2}{5}$$

$$\frac{2}{5}$$

Q6. Rahim mixed some water and oil in a cup as shown in the diagram.



The volume of oil is more than the empty space in the cup.

The volume of water is more than the oil in the cup.

What could be the fractions of the volume of water and the volume of empty space in the cup?

$$\frac{1}{2} = \frac{5}{10}$$

Water: $\frac{1}{2}$ or any equivalent of it.

Oil : $\frac{\text{less than } 5}{10}$, so we can estimate it as $\frac{3}{10}$

$$\frac{3}{10} + \frac{5}{10} = \frac{8}{10}$$

Empty space: $\frac{10}{10} - \frac{8}{10} = \frac{2}{10}$
less than the oil