

Fraction – Add and Subtract
Course questions

Name
Date

1. What is the pre-requisite to add or subtract fractions?
Having the same denominator.

2. How do we add or subtract fractions with the same denominator?
We just add or subtract the numerators and place the result over the common denominator.

3. What should we do if the denominators are different?
We should replace one of the fractions or both of them by an equivalent fraction in order to get fractions with a common denominator

4. What is the easiest method to get a common denominator?
Multiply the numerator and the denominator of each fraction by the denominator of the other

5. What means LCM?
The Least Common Multiple is the smallest common multiple of both denominators.

Fraction – Add and Subtract
Exercices - Part I
Calculate

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$$\frac{1}{4} + \frac{1}{4} = \frac{1}{2}$$

$$\frac{1}{6} + \frac{2}{3} = \frac{5}{6}$$

$$\frac{3}{2} + \frac{1}{2} = 2$$

$$\frac{7}{3} + \frac{5}{9} = \frac{26}{9}$$

$$\frac{5}{9} - \frac{3}{9} = \frac{2}{9}$$

$$\frac{3}{4} - \frac{4}{5} = -\frac{1}{20}$$

$$\frac{1}{5} - \frac{4}{5} = -\frac{3}{5}$$

$$\frac{9}{15} - \frac{28}{4} = -\frac{32}{5}$$

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Exercices - Part II
Calculate

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$$\frac{3}{6} + \frac{2}{15} = 19/30$$

$$\frac{13}{3} + \frac{1}{-18} = 77/18$$

$$\frac{-3}{7} + \frac{1}{9} = -20/63$$

$$\frac{45}{5} + 3 = 12$$

$$2 - \frac{57}{8} = -41/8$$

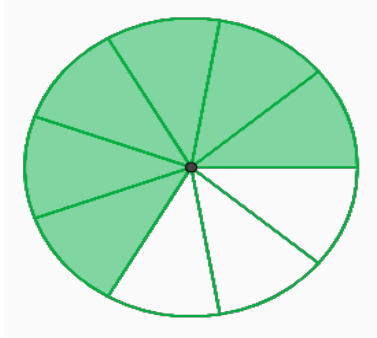
$$\frac{9}{42} - 3 = -39/14$$

$$\frac{9}{15} - \frac{-4}{30} = 11/15$$

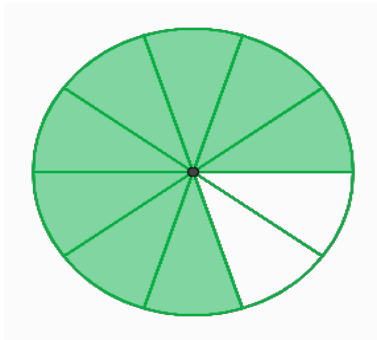
$$\frac{6}{-15} - \frac{2}{7} = -24/35$$

Fraction – Add and Subtract
 Visual exercises
 Find the original operation

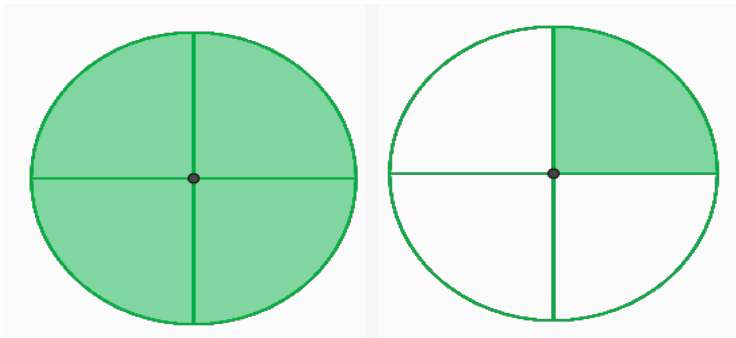
Name _____
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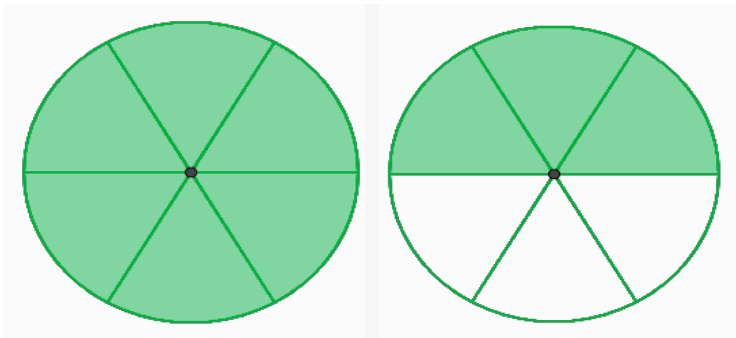
$$= \frac{0}{3} + \frac{2}{3}$$



$$= \frac{4}{10} - \frac{-2}{5}$$



$$= \frac{5}{2} + \frac{-5}{4}$$



$$= 6 - \frac{9}{2}$$