MATH 7

Integers

$$2 - (-7)$$

Rational Numbers

$$\frac{1}{2} - \left(-\frac{1}{3}\right)$$
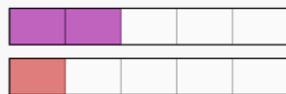
LIKE DENOMINATORS

UNLIKE DENOMINATORS

LIKE DENOMINATORS

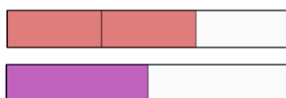$$\frac{2}{5} + \frac{1}{5} =$$

$$\frac{5}{7} - \frac{3}{7} =$$

$$-\frac{1}{8} - \frac{5}{8} =$$

$$\frac{1}{6} - \left(-\frac{5}{6}\right) =$$

UNLIKE DENOMINATORS

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

$$\frac{3}{4} - \frac{3}{8} =$$

$$-\frac{2}{5} - \frac{1}{2} =$$
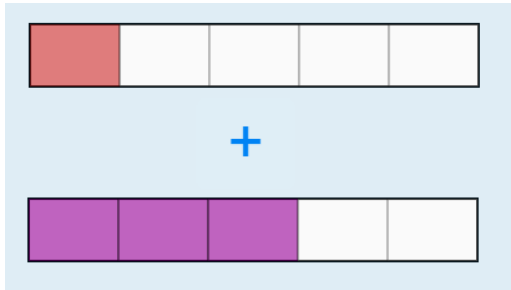
$$\frac{1}{4} + \left(-\frac{1}{3}\right) =$$

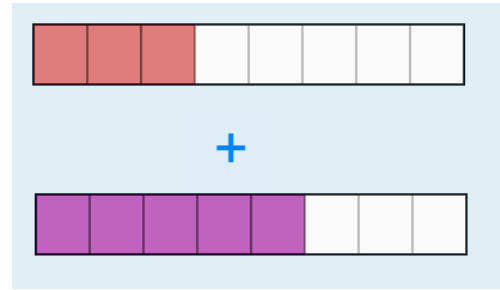## SUMMARY:

Now, summarize your notes here!

© 2018 The Algebros, LLC

Write an expression for the fraction strip shown below. Then perform the operation.
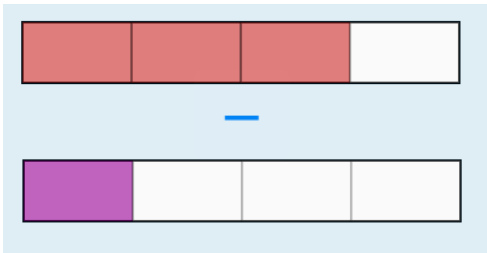
1.

$+$

2.

$+$

3.

$-$

4.

$-$

Perform the indicated operation on fractions with like denominators. Reduce fractions if possible.

5.
$$\frac{2}{5} + \frac{1}{5} =$$

6.
$$\frac{5}{9} - \frac{2}{9} =$$

7.
$$\frac{5}{10} + \frac{3}{10} =$$

8.
$$-\frac{2}{3} + \frac{1}{3} =$$

9.
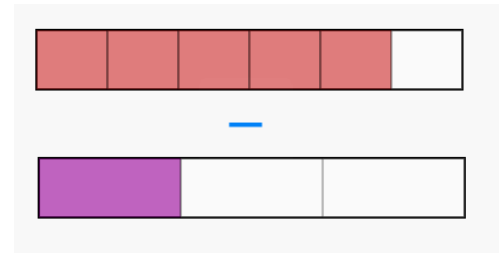$$-\frac{1}{4} - \frac{3}{4} =$$

10.
$$\frac{7}{11} - \frac{4}{11} =$$

Perform the indicated operation on fractions with unlike denominators. Reduce fractions if possible.

11.
$$\frac{2}{5} + \frac{1}{4} =$$

12.
$$\frac{5}{6} - \frac{1}{3} =$$

13.
$$-\frac{1}{8} + \frac{3}{4} =$$

Perform the indicated operation on fractions with unlike denominators. Reduce fractions if possible.

14.
$$-\frac{2}{3}+\frac{3}{4}=$$

15.
$$\frac{1}{2}-\frac{1}{6}=$$

16.
$$\frac{1}{7}+\frac{3}{4}=$$

Perform the indicated operation on fractions. Reduce fractions if possible.

17.
$$\frac{2}{3}+\frac{1}{5}=$$

18.
$$-\frac{2}{3}+\frac{1}{3}=$$

19.
$$\frac{5}{8}-\frac{3}{4}=$$

20.
$$\frac{2}{4}+\frac{1}{4}=$$

21.
$$\frac{2}{3}+\frac{1}{4}=$$

22.
$$\frac{4}{5}+\left(-\frac{1}{5}\right)=$$

23.
$$-\frac{7}{10}+\frac{9}{10}=$$

24.
$$-\frac{5}{8}-\frac{1}{8}=$$

25.
$$\frac{1}{6}+\frac{3}{5}=$$

26.
$$\frac{7}{8}-\frac{3}{4}=$$

27.
$$\frac{5}{12}-\frac{1}{6}=$$

28.
$$\frac{1}{5}-\left(-\frac{3}{4}\right)=$$

Perform the indicated operation on fractions. Reduce fractions if possible.

1.
$$\frac{3}{12} - \frac{7}{12} =$$

2.
$$\frac{3}{4} + \frac{1}{6} =$$

3. Decide whether the following expressions are equal. Support your answer!

A)
$$\frac{4}{5} - \frac{3}{5} = -\frac{2}{5} + \frac{4}{5}$$

B)
$$\frac{4}{5} - \frac{3}{15} = \frac{1}{3} + \frac{4}{5}$$

4. Fill in the question mark with an integer to make following expressions equal. Support your answer!

A)
$$\frac{1}{5} + \frac{?}{5} = \frac{4}{5}$$

B)
$$\frac{7}{12} - \frac{?}{12} = \frac{1}{6}$$

EXIT TICKET –

Which expressions are equivalent to $\frac{3}{5} + \left(-\frac{2}{5}\right) + \frac{1}{2}$?

Select **ALL** correct answers!

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

- $\frac{9}{10} - \frac{1}{5}$

- $\frac{1}{2} + \frac{1}{5}$

- $\frac{1}{10} + \frac{3}{5}$

- $1 - \frac{3}{10}$

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