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**SUBTRACTING FRACTIONS WITH UNLIKE DENOMINATORS-II**

- 1) Elsa walked  $\frac{3}{8}$ th of the distance to school and ran  $\frac{10}{16}$ th of the distance. How much more of the distance does she need to cover?

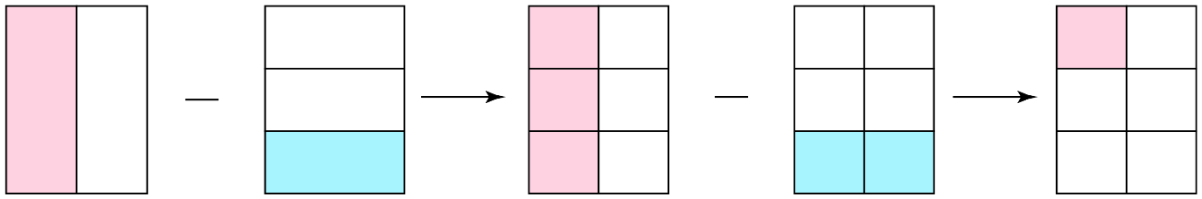


- 2) What fraction when added to  $\frac{2}{5}$  results in  $\frac{17}{30}$ ?
- 3) Find the missing terms.  

$$\frac{3}{7} - \frac{1}{5} = \frac{15}{?} - \frac{?}{35} = \frac{?}{35}$$
- 4) Which pair of fractions given below has a difference of  $\frac{7}{16}$ ?
- a)  $\frac{2}{3}, \frac{11}{48}$
  - b)  $\frac{3}{4}, \frac{11}{48}$
  - c)  $\frac{3}{4}, \frac{11}{46}$
  - d) None of the above
- 5) Compare the result using the signs  $>$ ,  $<$ , and  $=$ .  

$$\frac{3}{7} - \frac{1}{4} \square \frac{6}{7} - \frac{6}{8}$$

6) Write the subtraction equation using fractions represented by the model shown below and verify.



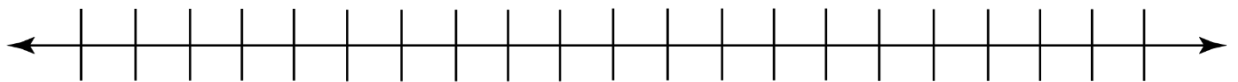
7) Fill in the blanks:

The difference between the fractions  $\frac{11}{13}$  and  $\frac{2}{5}$  is \_\_\_\_\_.

8) Emma likes chocolate. One day she bought a chocolate and ate  $\frac{5}{8}$ th of it in the morning and  $\frac{4}{16}$ th in the evening. How much part of the chocolate is left to be eaten?



9) Solve the following expression in the number line given below:  $\frac{2}{3} - \frac{1}{4}$ .



10) Which of the following would be the common denominator for  $\frac{3}{7}$  and  $\frac{2}{11}$ ?

- a) 11
- b) 77
- c) 17
- d) None of the above

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- Gary Schwartz

"Cuemath is great because my son has a one-on-one interaction with the teacher. The instructor has developed his confidence and I can see progress in his work. One-on-one interaction is perfect and a great bonus."

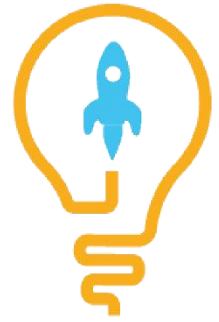
- Kirk Riley

"I appreciate the effort that miss Nitya puts in to help my daughter understand the best methods and to explain why she got a problem incorrect. She is extremely patient and generous with Miranda."

- Barbara Cabrera

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**ANSWERS**

1)	None
2)	$\frac{1}{6}$
3)	$\frac{3}{7} - \frac{1}{5} = \frac{15}{35} - \frac{7}{35} = \frac{8}{35}$
4)	a)
5)	>
6)	$\frac{1}{2} - \frac{1}{3} = \frac{3}{6} - \frac{2}{6} = \frac{1}{6}$
7)	$\frac{29}{65}$
8)	$\frac{1}{8}$
9)	$\frac{5}{12}$
10)	b)

## FUN FACT

1. The early applications of fractions included the division of food, supplies and the absence of a bullion currency.
2. The word fraction has its origin from the Latin word "fractio", meaning "to break".
3. The bar used to separate numerator and denominator in a fraction is called Vinculum.

