



ALAGU JOTHI ACADEMY

(An International Standard CBSE Sr. Sec. School)

YEAR OF MATHEMATICS 2017-18

ASSIGNMENT

6

MATHEMATICS

Name _____

Date _____

- Subtract $\frac{1}{2}$ from $\frac{5}{7}$.
- Add $\frac{4}{8}$ to $\frac{1}{2}$.
- Simplify $\frac{6}{8} - \frac{5}{12}$.
- Add $2\frac{4}{8}$ and $3\frac{1}{4}$.
- Find $4\frac{4}{6} - 3\frac{2}{6}$.
- Simplify.
 - $4\frac{7}{10} - 2\frac{1}{8}$
 - $4\frac{1}{4} - 1\frac{5}{6}$
- Rohan bought $3\frac{1}{2}$ kg of mangoes, whereas his brother bought $2\frac{1}{3}$ kg of mangoes. What is the total quantity of mangoes bought by both?
- Sadik learns $\frac{3}{4}$ of a chapter. How much of the chapter does he still have to learn?
- Add $4\frac{2}{6}$ and $5\frac{3}{5}$.
- Subtract $5\frac{3}{2}$ from $7\frac{1}{2}$.
- Solve.
 - $\frac{2}{10} + \frac{1}{10}$
 - $\frac{8}{11} + \frac{2}{11}$
 - $\frac{8}{9} - \frac{4}{9}$
 - $\frac{6}{8} - \frac{2}{8}$
 - $4 - \frac{12}{6}$
 - $5 - \frac{10}{4}$
 - $\frac{5}{9} + \frac{3}{10}$
 - $\frac{5}{6} + \frac{3}{4}$
 - $\frac{7}{8} + \frac{4}{5}$
 - $\frac{4}{5} - \frac{2}{4}$
 - $\frac{6}{7} - \frac{2}{4}$
 - $\frac{7}{8} - \frac{3}{5}$
 - $\frac{3}{4} + \frac{4}{5} + \frac{2}{3}$
 - $\frac{2}{3} + \frac{2}{4} + \frac{2}{5}$
 - $\frac{1}{4} + \frac{1}{5} + \frac{1}{8}$
 - $2\frac{1}{4} + 4\frac{3}{4}$
 - $3\frac{2}{8} + 2\frac{1}{8}$
 - $\frac{15}{4} - \frac{6}{4}$
 - $\frac{14}{3} - \frac{7}{3}$
 - $\frac{6}{5} - \frac{2}{4}$
- In class VI A, 25 out of 30 students passed in the examination. In class VI B, 20 out of 25 students passed. Which section performed better in the examination?

13. In class VI B, 50 out of 55 students were present on the last day of school. In class VI D, 54 out of 60 students were present. Which section had a higher attendance?
14. Reema bought $2\frac{1}{2}$ m of fabric for Sita and $3\frac{1}{2}$ m of fabric for Geeta. How much cloth did she buy in all?
15. My mother divided an orange into 10 parts. I ate six out of them. My friend ate two pieces. How much of the orange was left for my mother?

16. Fill in the missing fractions.

(i) $\frac{8}{12} - \frac{\square}{\square} = \frac{3}{12}$

(ii) $\frac{7}{10} - \frac{\square}{\square} = \frac{4}{10}$

(iii) $\frac{\square}{\square} - \frac{2}{8} = \frac{4}{8}$

(iv) $\frac{\square}{\square} - \frac{4}{15} = \frac{5}{15}$

(v) $\frac{\square}{\square} + \frac{2}{30} = \frac{12}{30}$

(vi) $\frac{\square}{\square} + \frac{1}{22} = \frac{20}{22}$

(vii) $\frac{9}{14} - \frac{\square}{\square} = \frac{7}{14}$

(viii) $\frac{\square}{\square} - \frac{3}{10} = 1$

(ix) $20\frac{5}{8} - 2\frac{7}{8} = \frac{\square}{\square}$

(x) $6\frac{4}{5} - 2\frac{4}{5} = \frac{\square}{\square}$

17. Suresh was given $\frac{9}{15}$ apples from a basket of apples. What fraction of apples was left in the basket?
18. Ranbir ate $\frac{5}{10}$ chapattis from a chapatti box. What fraction of chapattis was left in the box?
19. On Sunday morning, Seema bought $\frac{1}{2}$ m of blue ribbon and on Monday morning she bought $\frac{4}{5}$ m of red ribbon. How much ribbon did she buy in all?
20. Sumita bought $4\frac{1}{2}$ kg of apples and Jaggi bought 3 kg of apples. What quantity of apples did they buy together?