4.NF.B.3 Word Problems Involving Subtraction of Fractions

Give what is asked in each item and then write your answers on the space provided.

1. Subtract the fractions. Write your answer as a proper fraction or mixed number.

a. $\frac{4}{5} - \frac{1}{5} =$ b. $\frac{7}{9} - \frac{3}{9} =$ c. $\frac{7}{8} - \frac{1}{8} =$ d. $\frac{7}{11} - \frac{3}{11} =$

e. $\frac{3}{6} - \frac{2}{6} =$ f. $\frac{4}{7} - \frac{3}{7} =$ g. $\frac{4}{13} - \frac{2}{13} =$ h. $\frac{2}{3} - \frac{1}{3} =$

Answers:

a.   b.   c.   d.

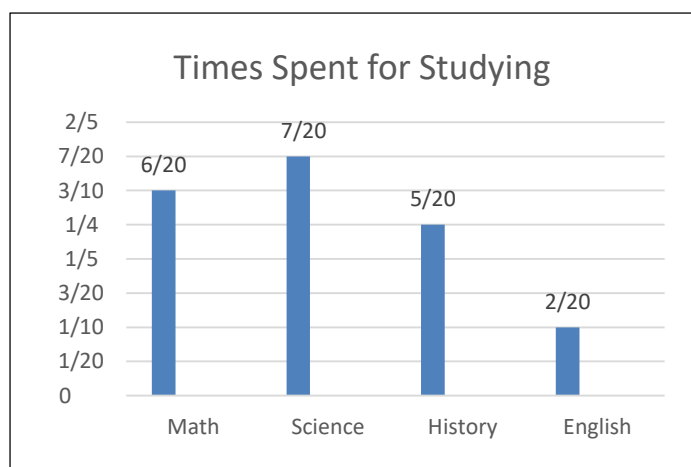e.   f.   g.   h.

2. Mitch and Eric saved money together. Mitch saved $\frac{5}{19}$ of the total savings while Eric saved $\frac{8}{19}$ of it. By how much did Eric save more than Mitch? Show your solution.

Answers:

3. The chart on your left presents the times (in hours) spent by Liza studying her subjects. Refer to the chart and answer the questions that follow.

Times Spent for Studying

2/5
7/20   7/20
6/20
3/10
1/4
1/5
3/20   2/20
1/10
1/20
0
        Math   Science   History   English

a. How much more time is spent on studying Math than History?
b. What subject did Liza spend most of her time studying on?
c. What is the difference in the time spent on studying Science and English?

Answers:
a.

b.

c.

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Answer Key

Give what is asked in each item and then write your answers on the space provided.

1. Subtract the fractions. Write your answer as a proper fraction or mixed number.

a. $\frac{4}{5} - \frac{1}{5} =$ b. $\frac{7}{9} - \frac{3}{9} =$ c. $\frac{7}{8} - \frac{1}{8} =$ d. $\frac{7}{11} - \frac{3}{11} =$

e. $\frac{3}{6} - \frac{2}{6} =$ f. $\frac{4}{7} - \frac{3}{7} =$ g. $\frac{4}{13} - \frac{2}{13} =$ h. $\frac{2}{3} - \frac{1}{3} =$

Answers:

a. $\frac{3}{5}$ b. $\frac{4}{9}$ c. $\frac{3}{4}$ d. $\frac{4}{11}$

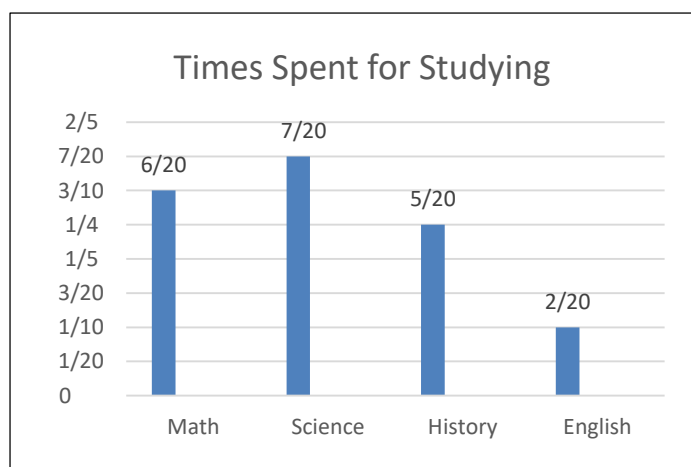e. $\frac{1}{6}$ f. $\frac{1}{7}$ g. $\frac{2}{13}$ h. $\frac{1}{3}$

2. Mitch and Eric saved money together. Mitch saved $\frac{5}{19}$ of the total savings while Eric saved $\frac{8}{19}$ of it. By how much did Eric save more than Mitch? Show your solution.

Answers:
$\frac{8}{19} - \frac{5}{19} = \frac{3}{19}$

3. The chart on your left presents the times (in hours) spent by Liza studying her subjects. Refer to the chart and answer the questions that follow.

Times Spent for Studying

Subject	Time
Math	6/20
Science	7/20
History	5/20
English	2/20

y-axis: 2/5, 7/20, 3/10, 1/4, 1/5, 3/20, 1/10, 1/20, 0

a. How much more time is spent on studying Math than History?
b. What subject did Liza spend most of her time studying on?
c. What is the difference in the time spent on studying Science and English?

Answers:
a. $\frac{6}{20} - \frac{5}{20} = \frac{1}{20}$ hrs

b. Science

c. $\frac{7}{20} - \frac{2}{20} = \frac{5}{20}$ hrs