

Green answers

1) a) $\frac{\boxed{5}}{\boxed{6}} - \frac{\boxed{2}}{\boxed{6}} = \frac{\boxed{3}}{\boxed{6}}$

b) $\frac{\boxed{7}}{\boxed{8}} - \frac{\boxed{3}}{\boxed{8}} = \frac{\boxed{4}}{\boxed{8}}$

2) a) $\frac{\boxed{4}}{\boxed{7}} - \frac{\boxed{2}}{\boxed{7}} = \frac{\boxed{2}}{\boxed{7}}$



b) $\frac{\boxed{6}}{\boxed{9}} - \frac{\boxed{1}}{\boxed{9}} = \frac{\boxed{5}}{\boxed{9}}$



3) a) True.

$$\frac{3}{7} - \frac{2}{7} = \frac{1}{7}$$



b) False.

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



4.

2a. 4

2b. 2

3a. $\frac{3}{4} - \frac{1}{4} = \frac{2}{4}$

3b. $\frac{5}{6} - \frac{3}{6} = \frac{2}{6}$

5.

2a. No, Charlie has $\frac{4}{7}$ which is less than

2b. No, Savannah has $\frac{5}{6}$ which is more

Yellow answers

1. a) $5/8 - 2/8 = 1/8 + 2/8$
b) $10/11 - 3/11 = 3/11 + 4/11$

- 2) Francis is incorrect.

$$\frac{6}{6} - \frac{2}{6} = \frac{4}{6}$$

Francis will have $\frac{4}{6}$ left over.

- 3) Alexander is incorrect.

$$\frac{8}{8} - \frac{2}{8} = \frac{6}{8}$$

$$\frac{6}{8} - \frac{3}{8} = \frac{3}{8}$$



4.

6a. $\frac{4}{12}$

7a. 8

6b. $\frac{4}{10}$

7b. 6

5.

8a. $\frac{6}{8} - \frac{3}{8} = \frac{3}{8}$

8b. $\frac{5}{10} - \frac{2}{10} = \frac{3}{10}$

Red answers

- 1) a) These are some of the possible answers: b)

$$\frac{7}{12} - \frac{1}{12} = \frac{1}{12} + \frac{5}{12}$$

$$\frac{7}{12} - \frac{2}{12} = \frac{1}{12} + \frac{4}{12}$$

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

$$\frac{7}{12} - \frac{4}{12} = \frac{1}{12} + \frac{2}{12}$$

$$\frac{7}{12} - \frac{5}{12} = \frac{1}{12} + \frac{1}{12}$$

$$\frac{15}{16} - \frac{8}{16} - \frac{1}{16} = \frac{6}{16}$$

$$\frac{16}{16} - \frac{8}{16} - \frac{2}{16} = \frac{6}{16}$$

- 2) These are the possible answers:

$$\frac{10}{10} - \frac{2}{10} - \frac{2}{10} - \frac{6}{10} = \frac{0}{10}$$

$$\frac{10}{10} - \frac{2}{10} - \frac{6}{10} - \frac{2}{10} = \frac{0}{10}$$

$$\frac{10}{10} - \frac{6}{10} - \frac{2}{10} - \frac{2}{10} = \frac{0}{10}$$

$$\frac{10}{10} - \frac{4}{10} - \frac{4}{10} - \frac{2}{10} = \frac{0}{10}$$

$$\frac{10}{10} - \frac{4}{10} - \frac{2}{10} - \frac{4}{10} = \frac{0}{10}$$

$$\frac{10}{10} - \frac{2}{10} - \frac{4}{10} - \frac{4}{10} = \frac{0}{10}$$

3.

There are a wide variety of possible answers. Subtractions include:

$$\frac{9}{9} - \frac{4}{9} = \frac{5}{9}$$

$$\frac{9}{9} - \frac{1}{9} - \frac{3}{9} = \frac{5}{9}$$

$$\frac{8}{9} - \frac{1}{9} - \frac{1}{9} - \frac{1}{9} = \frac{5}{9}$$

Additions include:

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

$$\frac{1}{9} + \frac{1}{9} + \frac{3}{9} = \frac{5}{9}$$

$$\frac{2}{9} + \frac{1}{9} + \frac{1}{9} + \frac{1}{9} = \frac{5}{9}$$

4.

9a. Accept any images split into 8 equal parts where 7 part are shaded, with 6 of the 7 parts crossed out.

10a. False - the answer is $\frac{5}{9}$.

9a. Accept any images split into 10 equal parts where 9 parts are shaded, with 5 of the 9 parts crossed out.

10a. True

5.

4a. $\frac{5}{12}$

5a. Remi is correct as $\frac{5}{9}$ is more than $\frac{4}{9}$.

6a.



4b. $\frac{2}{10}$

5b. No, Amit has $\frac{5}{8}$ which is more than

$\frac{4}{8}$.