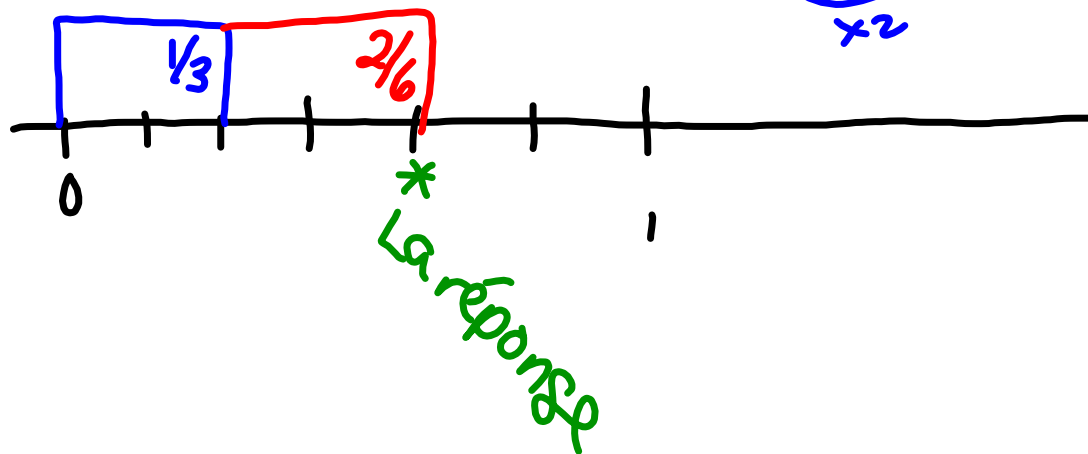


$$1. a) \frac{1}{5} + \frac{3}{5} = \frac{1+3}{5} = \frac{4}{5}$$

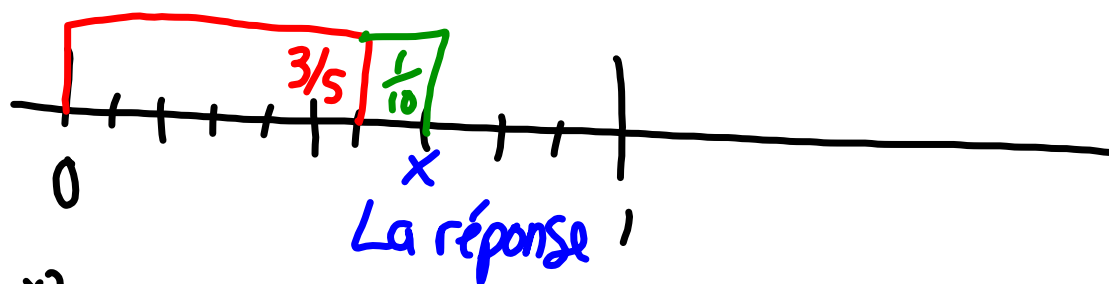
$$b) \frac{1}{6} + \frac{5}{6} = \frac{1+5}{6} = \frac{6}{6} = 1$$

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

$$\frac{1}{3} = \frac{2}{6}$$

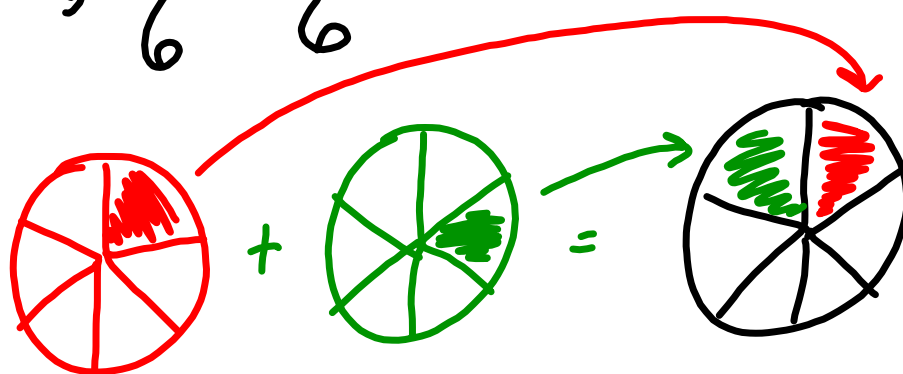


$$2) \frac{3}{5} + \frac{1}{10} = \frac{7}{10}$$



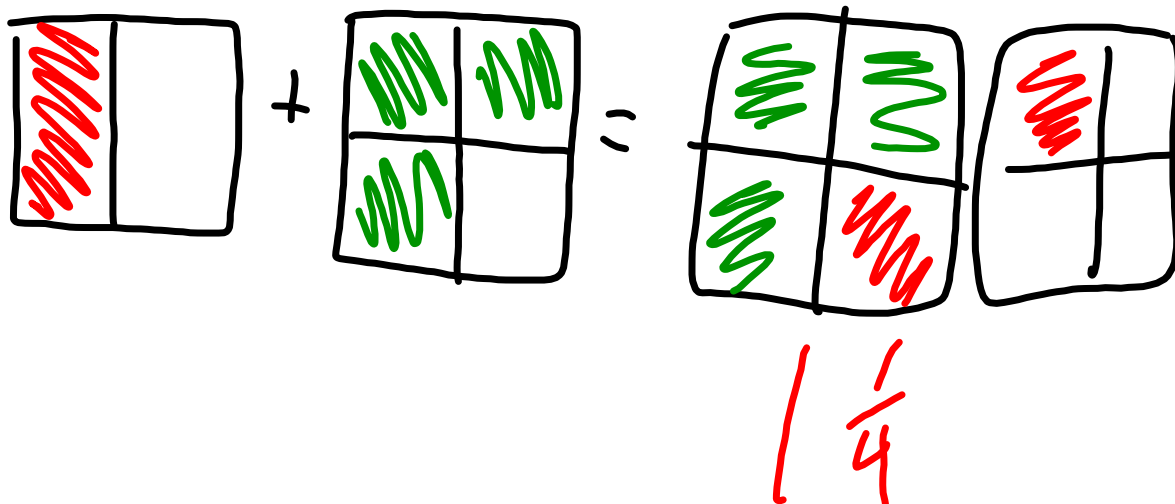
$$\frac{3}{5} \times \frac{2}{2} = \frac{6}{10}$$

$$3a) \frac{1}{6} + \frac{1}{6}$$



$$\frac{2}{6} = \frac{1}{3}$$

B $\frac{1}{2} + \frac{3}{4} =$



4. $\frac{1}{4} + \frac{5}{8} = \frac{7}{8}$

$\frac{2}{8} + \frac{5}{8} =$

B) $\frac{1}{5} + \frac{3}{10} = \frac{5}{10}$

$\frac{5}{10} - \frac{3}{10} = \frac{2}{10}$

$\frac{2}{10} = \frac{1}{5}$

C) $\frac{3}{4} + \frac{1}{4} = 1 = \frac{4}{4}$

$4-1=3$

$$5 \text{ a) } \frac{3}{5} + \frac{1}{10}$$

$$\frac{6}{10} + \frac{1}{10}$$

$$\frac{7}{10}$$

$$\text{B) } \frac{3}{10} + \frac{1}{2}$$

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

$$\frac{8}{10} = \frac{4}{5}$$

$$\text{C) } \frac{6}{8} + \frac{3}{4}$$

$$\frac{6}{8} + \frac{6}{8}$$

$$\frac{12}{8} = \frac{4}{8} = 1\frac{1}{2}$$

$$\text{D) } \frac{3}{8} + \frac{5}{2}$$

$$\frac{3}{8} + \frac{20}{8}$$

$$\frac{23}{8} = 2\frac{7}{8}$$

$$E) 1\frac{4}{7} + 8\frac{1}{2}$$

$$\frac{11 \times 2}{7 \times 2} + \frac{17 \times 7}{2 \times 7}$$

$$\frac{22}{14} + \frac{119}{14}$$

$$\frac{141}{14} = 10\frac{1}{14}$$

$$F) 3\frac{3}{5} + 3\frac{1}{4}$$

$$\frac{18}{5 \times 4} + \frac{13}{4 \times 5}$$

$$\frac{72}{20} + \frac{65}{20}$$

$$\frac{137}{20} = 6\frac{17}{20}$$

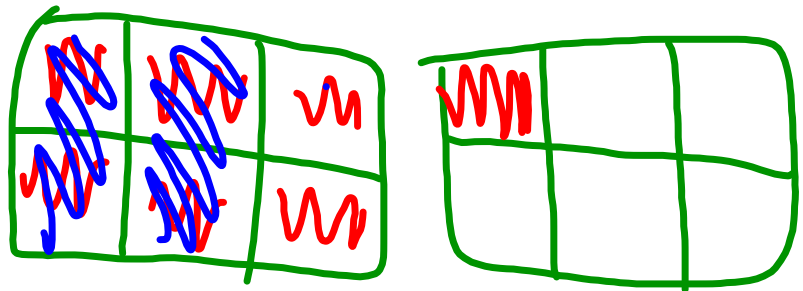
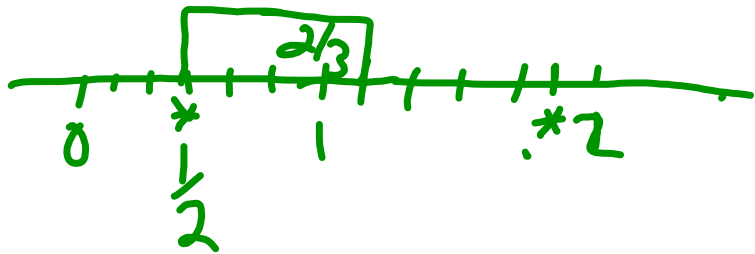
$$6.a) \frac{5}{6} - \frac{4}{6} = \frac{1}{6}$$

$$b) \frac{2}{5} - \frac{1}{5} = \frac{1}{5}$$

$$7. \quad \frac{1}{6} - \frac{2}{3} \times 2$$

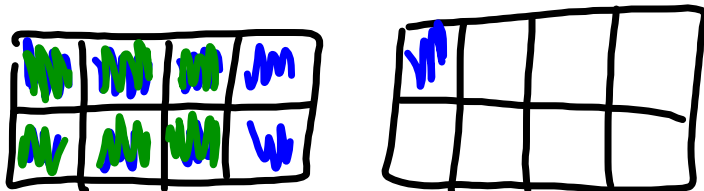
$$\frac{1}{6} - \frac{4}{6}$$

$$\frac{3}{6} = \frac{1}{2}$$



$$\frac{3}{6} = \frac{1}{2}$$

$$B \quad \frac{9}{8} - \frac{3}{4} = \frac{3}{8}$$



$$\begin{array}{r} x_2 \\ 3 \\ \hline 4 \end{array} - \begin{array}{r} 6 \\ \hline 8 \end{array} = \begin{array}{r} 10 \\ \hline 8 \end{array}$$

x_2

$$3) \frac{7^{x^3}}{8^{x^3}} - \frac{2^{x^8}}{3^{x^8}}$$

$$\frac{21}{24} - \frac{16}{24}$$

$$\frac{5}{24}$$

$$B) \frac{6^{x^3}}{5^{x^3}} - \frac{1^{x^5}}{3^{x^5}}$$

$$\frac{18}{15} - \frac{5}{15}$$

$$\frac{13}{15}$$

$$c) \frac{4 \times 4}{5 \times 4} - \frac{1 \times 5}{4 \times 5}$$

$$\frac{16}{20} - \frac{5}{20}$$

$$\frac{11}{20}$$

$$D) \frac{9 \times 3}{10 \times 3} - \frac{2 \times 10}{3 \times 10}$$

$$\frac{27}{30} - \frac{20}{30}$$

$$\frac{7}{30}$$

$$E) \frac{7}{4} - \frac{8}{5}$$

$$\frac{35}{20} - \frac{32}{20}$$

$$\frac{3}{20}$$

$$F) \frac{5}{3} - \frac{9}{8}$$

$$\frac{40}{24} - \frac{27}{24}$$

$$\frac{13}{24}$$

$$G) 7\frac{1}{2} - 3\frac{1}{4}$$

$$\frac{15}{2} - \frac{13}{4}$$

$$\frac{30}{4} - \frac{13}{4}$$

$$\frac{17}{4} = 4\frac{1}{4}$$

$$H) 12\frac{3}{4} - 6\frac{3}{8}$$

$$\frac{51}{4} - \frac{51}{8}$$

$$\frac{102}{8} - \frac{51}{8}$$

$$\frac{51}{8} = 6\frac{3}{8}$$

Q17.

$$1\frac{3}{4} \times 2 \quad | \quad 1\frac{7}{8}$$

$$1\frac{7}{8} - 1\frac{6}{8} = \frac{1}{8}$$

$$1\frac{6}{8} < 1\frac{7}{8}$$