

Year 5 maths activity 7 answers

1a. $\frac{1}{3} (\frac{2}{6}) + \frac{2}{6} + \frac{1}{6} = \frac{5}{6}$

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

2a. $\frac{2}{4} (\frac{4}{8}) + \frac{1}{8} + \frac{2}{8} = \frac{7}{8}$

2b. $\frac{2}{7} (\frac{4}{14}) + \frac{4}{14} + \frac{5}{14} = \frac{13}{14}$

4a. $\frac{1}{7} (\frac{4}{28}) + \frac{3}{14} (\frac{6}{28}) + \frac{2}{28} = \frac{12}{28}$ ($\frac{12}{28}$ can be simplified to $\frac{6}{14}$ or $\frac{3}{7}$)

4b. $\frac{1}{4} (\frac{4}{16}) + \frac{2}{8} (\frac{4}{16}) + \frac{5}{16} = \frac{13}{16}$

5a. 1 part in the first bar needs to be shaded to represent $\frac{1}{3}$. 1 part in the second bar needs to be shaded to represent $\frac{1}{6}$. 3 parts in the third bar needs to be shaded to represent $\frac{3}{12}$.

$$\frac{1}{3} (\frac{4}{12}) + \frac{1}{6} (\frac{2}{12}) + \frac{3}{12} = \frac{9}{12} \text{ (}\frac{9}{12} \text{ can be simplified to } \frac{3}{4}\text{)}$$

5b. 1 part in the first bar needs to be shaded to represent $\frac{1}{5}$. 2 parts in the second bar needs to be shaded to represent $\frac{2}{15}$. 3 parts in the third bar needs to be shaded to represent $\frac{3}{30}$.

$$\frac{1}{5} (\frac{6}{30}) + \frac{2}{15} (\frac{4}{30}) + \frac{3}{30} = \frac{13}{30}$$

Challenge

4a. Priya is incorrect because she has added the denominators. The correct answer is $\frac{14}{16}$ or $\frac{7}{8}$.

6a. False because $\frac{16}{20}$ is more than $\frac{12}{20}$.