

Year 5 maths activity 6 answers

1. $\frac{1}{2} (2/4) + \frac{1}{4} = \frac{3}{4}$
2. $\frac{1}{3} (2/6) + \frac{2}{6} = \frac{4}{6}$ ($\frac{4}{6}$ can be simplified to $\frac{2}{3}$ but doesn't have to be)
3. $\frac{1}{2} (3/6) + \frac{2}{6} = \frac{5}{6}$
4. $\frac{1}{5} (3/15) + \frac{6}{15} = \frac{9}{15}$ ($\frac{9}{15}$ can be simplified to $\frac{3}{5}$ but doesn't have to be)
5. $\frac{2}{4} (8/16) + \frac{5}{16} = \frac{13}{16}$
6. $\frac{3}{4} (9/12) + \frac{2}{12} = \frac{11}{12}$
7. 1 bar should be shaded in the first bar to represent $\frac{1}{4}$. 2 bars in the second bar should be shaded to represent $\frac{2}{12}$.
 $\frac{1}{4} (3/12) + \frac{2}{12} = \frac{5}{12}$
8. $\frac{2}{4} (10/20) + \frac{4}{20} = \frac{14}{20}$. So the answer is C.

Challenge

4a. $\frac{1}{4} + \frac{5}{12} = \frac{8}{12}$

5a. **False because $\frac{2}{3}$ is equivalent to $\frac{18}{27}$**

and $\frac{18}{27} + \frac{5}{27} = \frac{23}{27}$ not $\frac{11}{27}$.