

## Add Fractions

1a. Finn says,



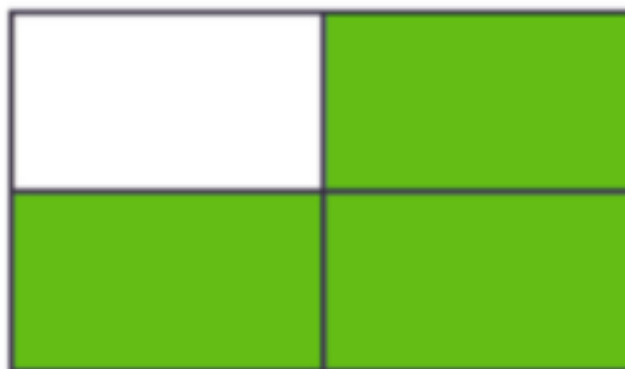
$$\frac{2}{4} + \frac{1}{4} = \frac{3}{8}$$

Is he correct? Explain why.



Choose your level of challenge. You can always complete a couple from each section as your confidence grows! Remember to talk your thoughts through and use language such as "I know that.... So,...."

**2a. This is the answer.**



**What fractions could you have added together to get this answer?**

**Find three possible combinations.**



**3a. Katie bought a pack of four stickers. She stuck two stickers on her pencil case and stuck one on her diary. What fraction of the pack was used? How do you know?**



## Add Fractions

4a. Kamir says,



$$\frac{2}{5} + \frac{2}{5} + \frac{2}{5} = \frac{2}{15}$$

Is he correct? Explain why.



**5a. This is the answer.**



**What fractions could you have added together to get this answer?**

**Find three possible combinations.**



**6a. A large pizza has eight slices. Hamish eats three slices, Louisa eats three slices and Matthew eats 1 slice. What fraction of the pizza have they eaten? How do you know?**



## Reasoning and Problem Solving Add Fractions

### Developing

1a. Finn is incorrect because he has added the denominators as well as the numerators. The correct answer is  $\frac{3}{4}$

2a. Various possible answers, for example:

$$\frac{0}{4} + \frac{3}{4}, \quad \frac{1}{4} + \frac{2}{4} \quad \text{and} \quad \frac{2}{4} + \frac{1}{4}$$

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

**Expected**

**4a. Kamir is incorrect because he has added the denominators instead of the numerators. The correct answer is  $\frac{6}{5}$**

**5a. Various possible answers, for example:**

$$\frac{0}{10} + \frac{6}{10}, \quad \frac{1}{10} + \frac{5}{10} \quad \text{and} \quad \frac{2}{10} + \frac{4}{10}$$

$$6a. \quad \frac{3}{8} + \frac{3}{8} + \frac{1}{8} = \frac{7}{8}$$