
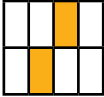

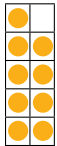
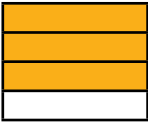




1) Match each pair of fractions to their lowest common multiple.

 and 	 and two sevenths	 and $\frac{6}{9}$	 and $\frac{2}{3}$

90

12

35

24

2) Complete the fraction calculations. Show your working out using common denominators.

a)  $\frac{5}{8} - \frac{1}{3} = \frac{\square}{\square}$

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

c)  $\frac{1}{4} + \frac{2}{10} = \frac{\square}{\square}$

$\frac{\square}{\square} - \frac{\square}{\square}$

$\frac{\square}{\square} - \frac{\square}{\square}$

$\frac{\square}{\square} + \frac{\square}{\square}$

3) a) Thamindu's school bag weighed  $\frac{1}{3}$  kg. He added his PE kit to the bag which weighed  $\frac{1}{4}$  kg. How much did his bag weigh in total?



b) Sienna has two identical jugs, one is  $\frac{5}{7}$  full and the other is empty. If she pours some of her juice into the empty jug to exactly halfway, how much is left in the first jug?



- 1) Calculate the answers to these fraction additions using common denominators. Which calculation is the odd one out? Explain your reasoning.

$$\frac{2}{3} + \frac{5}{14} = \frac{\square}{\square}$$

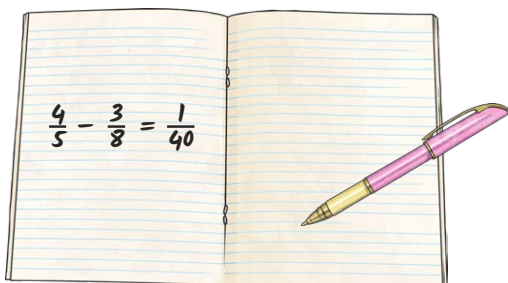
$$\frac{1}{2} + \frac{6}{21} = \frac{\square}{\square}$$

$$\frac{1}{6} + \frac{4}{7} = \frac{\square}{\square}$$

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- 2) Lola has made a mistake in this calculation. What mistake has Lola made? What advice would you give to her?

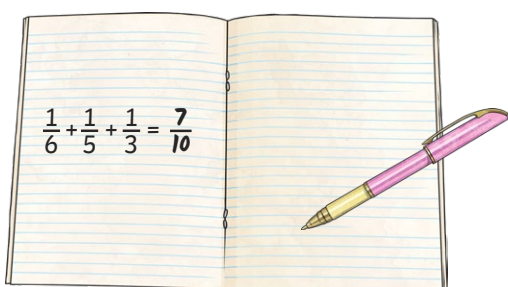


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- 3) Marlon has added three fractions with unlike denominators together. Is he correct? Explain how you think he has used common denominators to find the answer.



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- 1) Using fractions with different denominators, can you write an addition calculation that totals  $1\frac{1}{2}$ ? Find five different possibilities.

$$\frac{\square}{\square} + \frac{\square}{\square} + \frac{\square}{\square} = 1\frac{1}{2}$$

$$\frac{\square}{\square} + \frac{\square}{\square} + \frac{\square}{\square} = 1\frac{1}{2}$$

$$\frac{\square}{\square} + \frac{\square}{\square} + \frac{\square}{\square} = 1\frac{1}{2}$$

$$\frac{\square}{\square} + \frac{\square}{\square} + \frac{\square}{\square} = 1\frac{1}{2}$$

$$\frac{\square}{\square} + \frac{\square}{\square} + \frac{\square}{\square} = 1\frac{1}{2}$$

- 2) Complete this subtraction calculation using fractions with different denominators. Find two different possibilities.

$$\frac{3}{4} = \frac{\square}{6} - \frac{4}{\square}$$

$$\frac{3}{4} = \frac{\square}{6} - \frac{4}{\square}$$

- 3) Can you make a similar challenge for a partner by giving them a target answer?