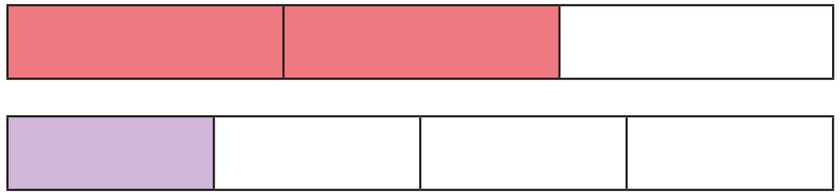
Add and subtract fractions (2)

1 Amir is using fraction strips to work out $\frac{2}{3} + \frac{1}{4}$



Amir says he needs to find a common denominator.

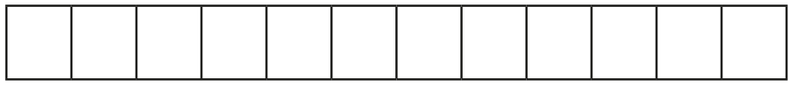
a) Complete Amir's method.

$\frac{2}{3} = \frac{\square}{12}$

$\frac{1}{4} = \frac{\square}{12}$

$\frac{2}{3} + \frac{1}{4} = \frac{\square}{12} + \frac{\square}{12} = \frac{\square}{12}$

b) Show the addition on the fraction strip.



c) Could you have used a different denominator?

2 What common denominator can you use to add the fractions?

a) $\frac{2}{5} + \frac{1}{2}$ Common denominator = ☐

b) $\frac{2}{3} + \frac{4}{5}$ Common denominator = ☐

c) $\frac{7}{8} - \frac{1}{4}$ Common denominator = ☐

d) $\frac{7}{9} - \frac{1}{6}$ Common denominator = ☐

e) $\frac{11}{15} + \frac{3}{10}$ Common denominator = ☐

3 Ron and Eva are working out $\frac{1}{4} + \frac{5}{6}$

Ron's method

$\frac{1}{4} + \frac{5}{6} = \frac{3}{12} + \frac{10}{12} = \frac{13}{12}$

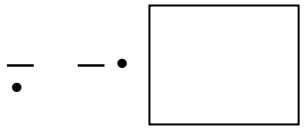
Eva's method

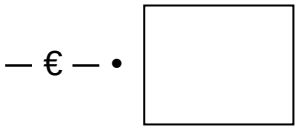
$\frac{1}{4} + \frac{5}{6} = \frac{6}{24} + \frac{20}{24} = \frac{26}{24}$

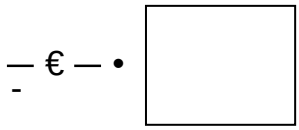
a) What is the same about Ron's and Eva's methods?

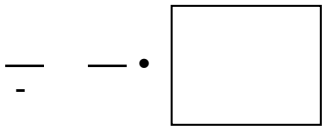
b) What is different about their methods?

c) Which method do you prefer? Why?









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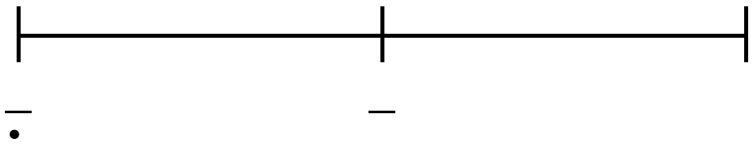

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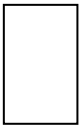

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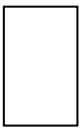

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