Adding fractions

1 Tino the horse eats $\frac{4}{5}$ of a bale of hay on Monday. He eats $\frac{2}{5}$ of a bale of hay on Tuesday.

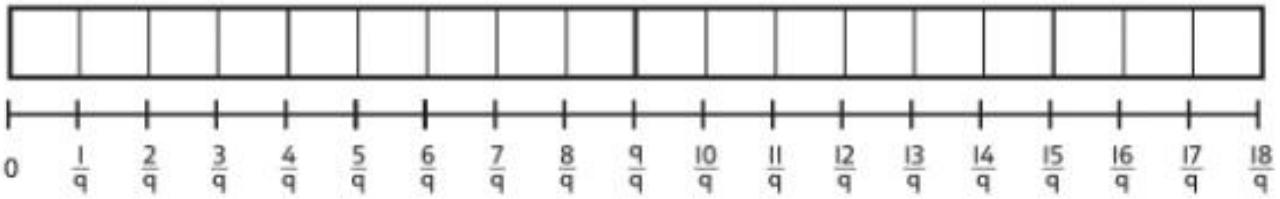
What fraction does Tino eat altogether?

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

Tino eats $\square\frac{\square}{\square}$ bales of hay.

2 Alexis runs $\frac{7}{9}$ km, she has a rest and then runs a further $\frac{5}{9}$ km.

How far does Alexis run in total?



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

Alexis runs $\frac{\square}{\square}$ km in total.

3 Work out the following calculations.

Give your answers as improper fractions.

a) $\frac{3}{4} + \frac{3}{4} = \frac{\square}{\square}$

b) $\frac{2}{5} + \frac{4}{5} = \frac{\square}{\square}$

c) $\frac{\square}{\square} = \frac{5}{12} + \frac{11}{12}$

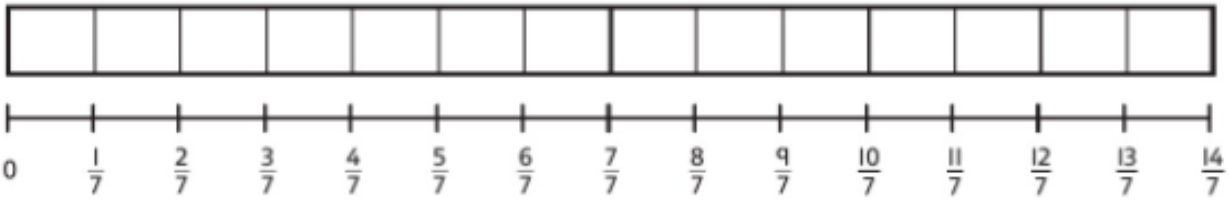
d) $\frac{3}{10} + \frac{1}{10} + \frac{9}{10} = \frac{\square}{\square}$

e) $\frac{3}{5} + \frac{3}{5} + \frac{3}{5} = \square$

f) 8 ninths + 5 ninths = $\frac{\square}{\square}$

4 Match the calculation to the correct answer.

$\frac{6}{7} + \frac{3}{7}$	$\frac{11}{7}$
$\frac{5}{7} + \frac{1}{7} + \frac{6}{7}$	1
$\frac{3}{7} + \frac{4}{7}$	$1\frac{2}{7}$
$\frac{6}{7} + \frac{5}{7}$	$\frac{12}{7}$



5 Fred works out this calculation:

$\frac{3}{8} + \frac{7}{8} = \frac{10}{16}$

a) What mistake has Fred made? _____

b) What is the correct answer? _____

6 Find the missing numbers by completing the calculations.

CHALLENGE

a) $\frac{4}{5} + \frac{\square}{5} = \frac{7}{5}$ $\quad \frac{4}{5} + \frac{\square}{5} = 1\frac{2}{5}$ $\quad \frac{4}{5} + \frac{\square}{5} = 1\frac{3}{5}$

b) $\frac{11}{13} + \frac{\square}{13} = \frac{17}{13}$ $\quad \frac{7}{8} + \frac{\square}{8} = 1\frac{3}{8}$ $\quad \frac{\square}{6} + \frac{1}{6} = 1$

c) $\frac{15}{8} = \frac{3}{8} + \frac{\square}{8} + \frac{\square}{8}$ $\quad \frac{15}{8} = \frac{4}{8} + \frac{\square}{8} + \frac{\square}{8}$

$\frac{15}{8} = \frac{5}{8} + \frac{\square}{8} + \frac{\square}{8}$ $\quad \frac{15}{8} = \frac{6}{8} + \frac{\square}{8} + \frac{\square}{8}$

Reflect

Draw a diagram to show that $\frac{4}{5} + \frac{4}{5} = \frac{8}{5}$.