5 FRACTIONS (B)

From White Rose Maths schemes for Year 5 Spring Term

BLOCK 2 - FRACTIONS (B)

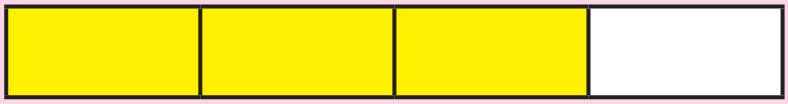
1 Fill in the missing numbers in the calculations.

$$\frac{1}{10} + \frac{7}{10} + \frac{1}{10} = \frac{\square}{\square} \qquad \frac{3}{8} + \frac{\square}{8} = 1$$

$$1 - \frac{\square}{7} = \frac{2}{7}$$

2 What is $\frac{3}{4} + \frac{3}{8}$?

Use the bar models to help you.



Explain your method.

3 Dexter eats $\frac{3}{5}$ of a pizza.

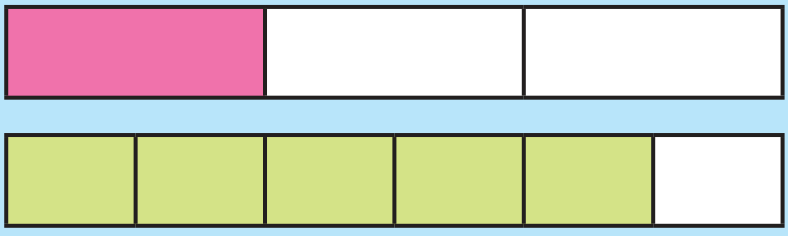
Rosie eats $\frac{4}{15}$ of a pizza.

How much pizza do they eat altogether?

What fraction of the pizza is left?

4 Use the bar models to help you work out $\frac{1}{3} + \frac{5}{6}$

Give your answer as a mixed number.

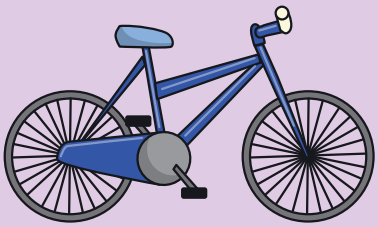


5 Work out the calculations.

$\frac{7}{8} - \frac{3}{4}$

$\frac{1}{4} + \frac{5}{12} - \frac{1}{2}$

6 Whitney cycles $2\frac{3}{4}$ km on Monday.
She cycles $2\frac{1}{8}$ km on Tuesday.
How far does she cycle in total on Monday and Tuesday?



7 Fill in the missing number in the calculation.

$$2\frac{9}{12} - \frac{\square}{12} = 2\frac{5}{12}$$

8 Work out the subtraction.

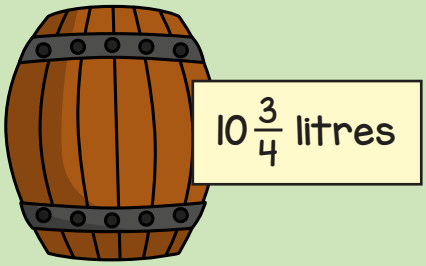
$2\frac{9}{10} - \frac{3}{5}$

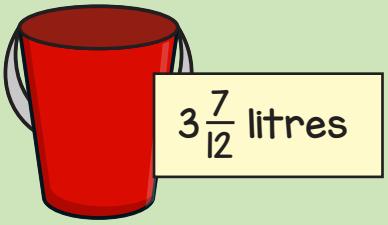
Use your answer above to complete the subtractions.

$2\frac{9}{10} - 1\frac{3}{5} =$ ☐

$2\frac{9}{10} - 2\frac{3}{5} =$ ☐

9



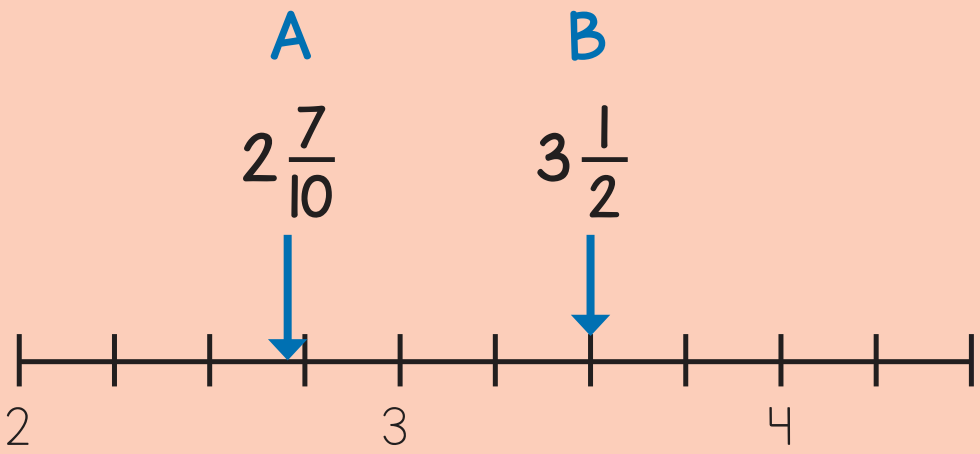


Dora fills the bucket with water from the barrel.

How much water is left in the barrel?

10 Three points, A, B and C, lie on a number line.

A section of the number line is shown.



B lies halfway between A and C.

What is the value of C?

Answers

1 $\frac{1}{10} + \frac{7}{10} + \frac{1}{10} = \frac{9}{10}$

$\frac{3}{8} + \frac{5}{8} = 1$

$1 - \frac{5}{7} = \frac{2}{7}$

2 $\frac{9}{8}$ or $1\frac{1}{8}$

Split the quarters into eighths.

3 $\frac{13}{15}$ eaten, $\frac{2}{15}$ left

4 $1\frac{1}{6}$

5 $\frac{1}{8}$ $\frac{2}{12}$ or $\frac{1}{6}$

6 $4\frac{7}{8}$ km

7 $\frac{4}{12}$

8 $2\frac{3}{10}$ $1\frac{3}{10}$ $\frac{3}{10}$

9 $7\frac{2}{12}$ litres or $7\frac{1}{6}$ litres

10 $4\frac{3}{10}$