SK CATHOLIC ENGLISH
MATHEMATICS
YEAR 3

PDPR Week 24

Monday 26th July 2021

FRACTIONS, DECIMALS, AND PERCENTAGES

3.5 Problem Solving

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CREATE STORIES

Marks

Activity 1

1 Complete these.

a $\frac{1}{5}\text{m} + \frac{3}{5}\text{m} = \frac{4}{5}\text{m}$

Dina buys $\square\square$ m of red ribbon and $\square\square$ m of blue ribbon. The total length of ribbons is $\square\square$ m.

b $\frac{3}{4}\ell - \frac{5}{8}\ell = \frac{1}{8}\ell$

Mrs Lee has $\square\square$ ℓ of mineral water in a bottle. She pours $\square\square$ ℓ of the water into her glass. The remaining mineral water in the bottle is $\square\square$ ℓ.

2 Create stories based on the number sentences.

a $0.7\text{ kg} - 0.25\text{ kg} = \mathbf{0.45\text{ kg}}$

Sally has ☐ kg flour. She uses ☐ kg to bake a chocolate cake. The remaining flour left is ☐ kg.

b $20\% = \frac{20}{100}$

A shirt is sold for a ☐ % discount.
The equivalent fraction of hundredths for twenty percent is $\frac{\square}{\square}$.

SOLVE THE PROBLEMS

Marks

Activity 1

Solve the problems.

1 Felia's mother plants red roses in $\frac{3}{10}$ of the garden. Another $\frac{1}{5}$ of the garden is for white roses. What is the total part of the garden planted with roses?

Given $\square$ planted with red roses

$\square$ planted with white roses

Find The total part $\square$

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

Calculate

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

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

$\frac{\square}{\square}$ ÷5 ÷5 $= \frac{\square}{\square}$

The total part of the garden planted with roses is $\frac{\square}{\square}$.

2 The table shows the distance of Nadim's run during his training sessions. What is the total distance of his run in training sessions on Monday and Tuesday?

Day	Distance
Monday	0.52 km
Tuesday	0.46 km

Given distance on Monday $\square$ km

distance on Tuesday $\square$ km

Find The total of $\square$

Number sentence $\square + \square = \square$

Calculate

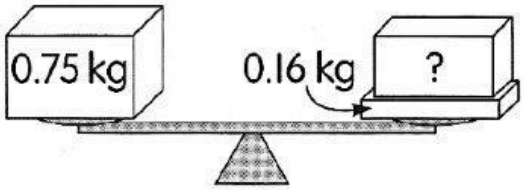
$\square.\square\square$

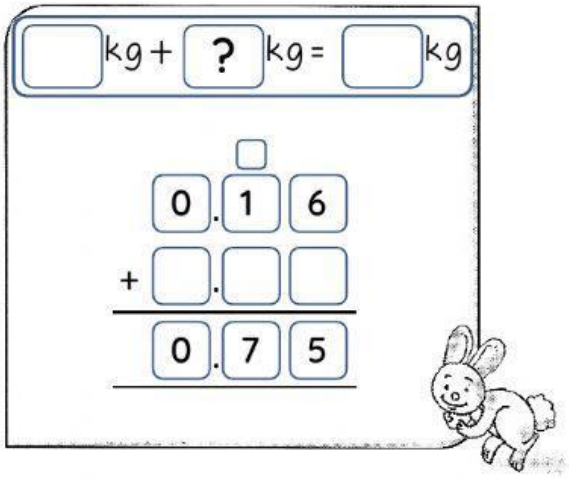
$+ \quad \square.\square\square$

$\square.\square\square$

The total distance run is $\square$ km.

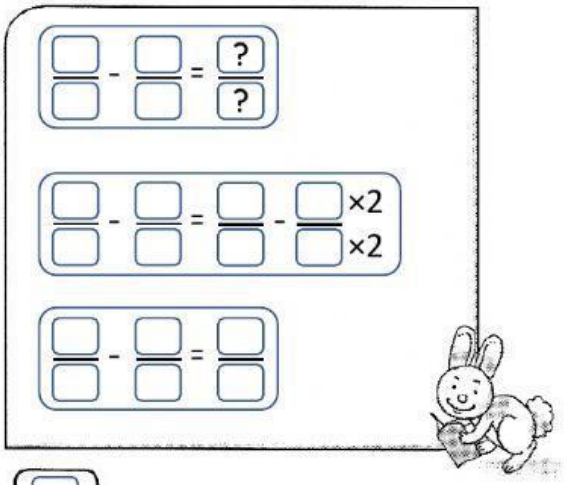
3 There are two objects on the scale. Then, Danny puts a third object on it and the scale is balanced. What is the mass of the third object?





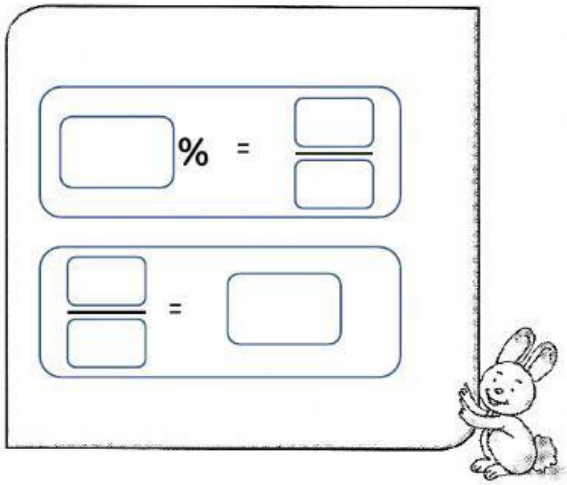
The mass of the third object is ☐ kg.

4 There is $\frac{3}{4}$ of *kuih kaswi* in a container. Anding's sister takes $\frac{1}{2}$ of it. How much *kuih kaswi* is left in the container?



The *kuih kaswi* left in the container is $\frac{\square}{\square}$.

5 A basket is full of mangoes. 25% of the mangoes are not ripe. State the percentage in decimal.

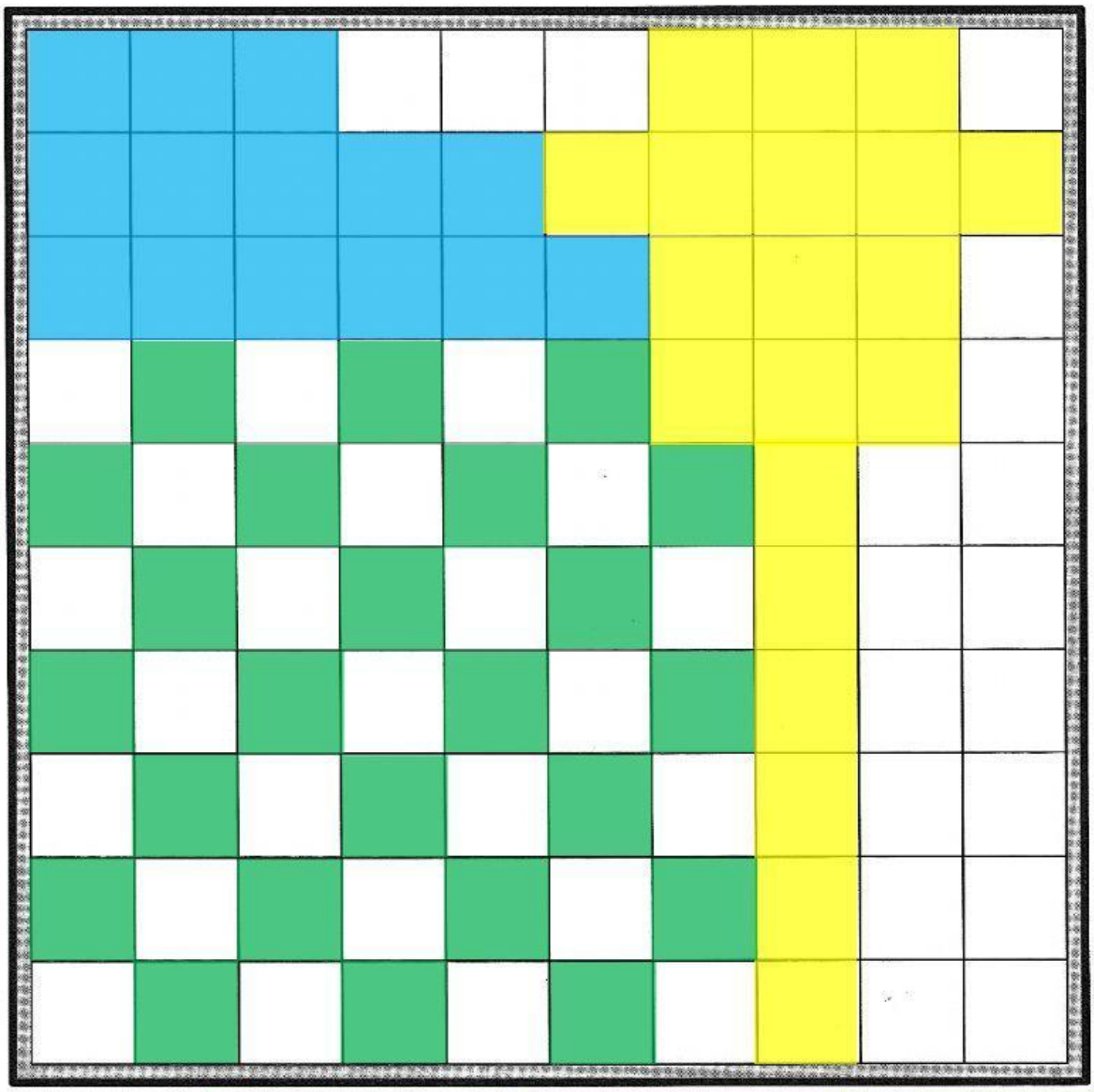


25% in decimal is ☐.

SELF-ASSESSMENT

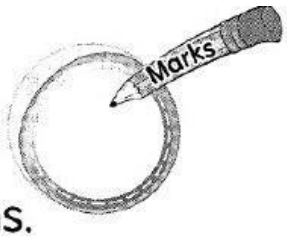
Marks

Count the number of squares for each colour. Write the percentages, fractions, and decimals for each colour.



Colour			
Percentage			
Fraction			
Decimal			

MIND TEASER



Solve the number sentences and the equivalent fractions.

			$\frac{3}{4}$		$\frac{6}{8}$	−	$\frac{3}{8}$	=	$\frac{\square}{\square}$
$\frac{\square}{\square}$		$\frac{1}{3}$	=	$\frac{\square}{\square}$			+		
+			$\frac{\square}{\square}$		$\frac{1}{2}$	+	$\frac{\square}{\square}$	=	$\frac{3}{4}$
$\frac{2}{3}$	=	$\frac{\square}{\square}$	+	$\frac{1}{3}$			=		−
=			$\frac{1}{4}$	+	$\frac{3}{8}$	=	$\frac{\square}{\square}$		$\frac{1}{4}$
$\frac{5}{6}$				$\frac{\square}{\square}$					=
	$\frac{\square}{\square}$	+	$\frac{3}{4}$	=	$\frac{7}{8}$				$\frac{\square}{\square}$
	+			$\frac{5}{9}$	−	$\frac{\square}{\square}$	=	$\frac{3}{9}$	
	$\frac{1}{2}$				$\frac{1}{2}$			=	
$\frac{\square}{\square}$	=	$\frac{4}{5}$		$\frac{1}{2}$	=	$\frac{\square}{\square}$	+	$\frac{\square}{\square}$	
	$\frac{5}{8}$				$\frac{\square}{\square}$				