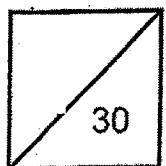




Methodist Girls' School (Primary)
Primary 6 Mathematics
Weighted Assessment 2 2024

Name: _____ () Date: _____

Class: Primary 6 _____



Questions 1 to 7 carry 2 marks each. Write your answers in the spaces provided.
For questions which require units, give your answers in the units stated. (14 marks)

Do not write
in this space

- 1 (a) Express $15y - 3 + 4y + 7y + 20$ in the simplest form.

Ans: (a) _____



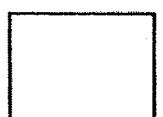
- (b) Find the value of the expression $\frac{7p - 6}{4}$, when $p = 35$.

Ans: (b) _____



- 2 (a) Express 0.25% as a fraction in its simplest form.

Ans: (a) _____



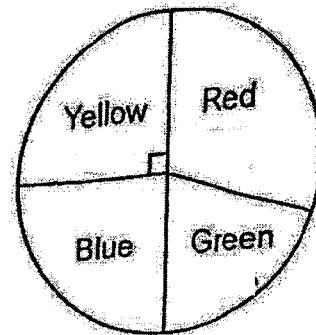
- (b) $10 : 6 = ? : 15$. What is the missing number in the box?

Ans: (b) _____



- 3 The pie chart shows the number of red, yellow, blue and green marbles.
Half of the marbles are made up of red and green marbles in the ratio of 3:2.
There are 52 green marbles. How many blue marbles are there?

Do not write
in this space



Ans: _____

- 4 At a carnival, the ratio of the number of adults to that of children is 3 : 8.
The ratio of the number of boys to the number of girls is 1 : 3.
What is the ratio of the number of adults to the number of boys to the
number of girls at the carnival?

Ans: _____

- 5 Siti bought a pair of rollerblades at a 25% discount and saved \$28.
What was the price of the rollerblades before the discount?

Do not write
in this space



Ans: \$ _____

- 6 Randy spent 30% of his money on a badminton racket. He spent another \$84 on books. In the end, he had 55% of his money left. How much money did Randy have left?

Ans: \$ _____

7

Alison and Blake shared some stickers in the ratio of 1 : 2.
Carl had $\frac{3}{4}$ the number of stickers that Blake has.
What fraction of the total number of stickers did Blake have?

Do not write
in this space

Ans: _____



For questions 8 to 12, show your working clearly and write your answers in the spaces provided. The number or marks available is shown in brackets [] at the end of each question or part-question.

[16 marks]

Do not write
in this space

- 8 Samantha bought some red, yellow and green balls.
130 of the balls were red. 30% of the balls was yellow.
She bought 50 more green balls than yellow balls.

- (a) How many yellow balls did Samantha buy?

Ans: (a) _____ [2]

- (b) Samantha lost some of her red balls while playing a game.
There was a 10% decrease in the number of red balls.
How many red balls did she lose?

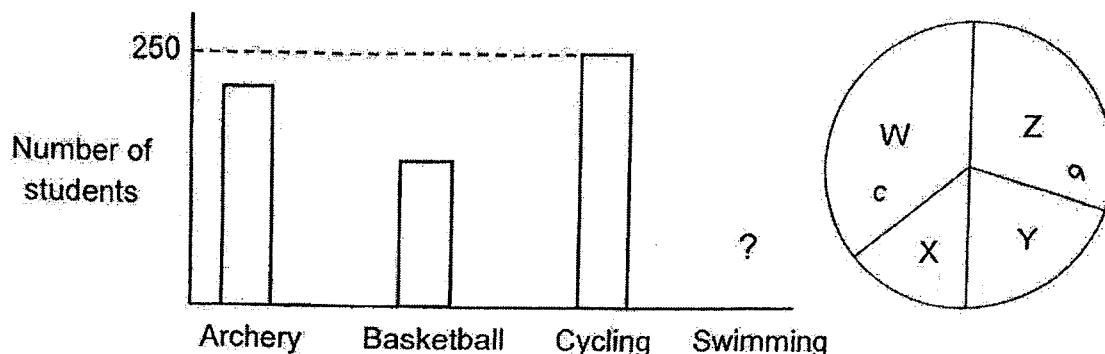
Ans: (b) _____ [1]

9

The bar graph represents the number of students who took part in some activities. Each student chose only one activity. The number of students who chose Basketball was $\frac{2}{3}$ of those who chose Archery.

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in this space

The ratio of those who chose Cycling to that of Swimming was 5 : 2. The number of students who chose Swimming and Cycling formed 50% of all the students.



The information is also represented in a pie chart. The names of the activities are represented by the labels W, X, Y and Z.

- (a) Fill in the blanks with the labels W, X, Y and Z. [2]

Name of activity	Archery	Basketball	Cycling	Swimming
Label				

- (b) How many students were there altogether?

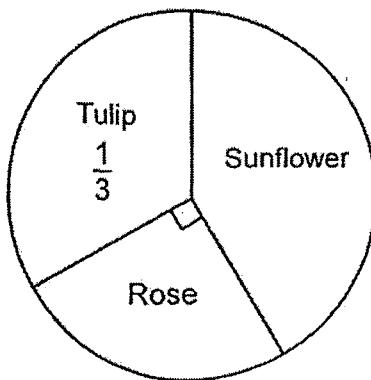
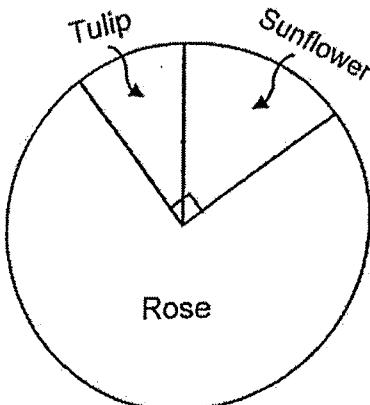
Ans: _____ [1]

10

The pie chart shows the number of each type of flowers in 2 different gardens, Garden A and Garden B. The total number of flowers in Garden A is three times the total number of flowers in Garden B.

In Garden B, the number of Tulips is $\frac{2}{3}$ the number of Sunflowers.

Do not write
in this space

Garden AGarden B

Each of the statement is either true, false, or not possible to tell from the information given. For each statement, put a tick (✓) to indicate your answer.

[2]

Statement	True	False	Not possible to tell
The number of roses in Garden A is three times of the total number of tulips and sunflowers in Garden B.			
There are fewer roses in Garden A than in Garden B.			
The ratio of the number of tulips in Garden A to the total number of flowers in Garden B is 1 : 1.			

11

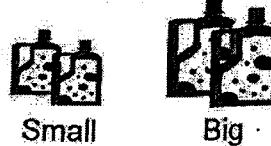
The same brand of laundry detergent is sold in 2 shops in 2 sizes.
The prices of the laundry detergent before discount at both shops
are the same.

Do not write
in this space.

SHOP A

Small

Big

SHOP B

Small

Big

For every 1 big bottle purchased, get 45% discount on 1 small bottle.

*Bundle set @ \$35
2 small bottles
+
2 big bottles*

- (a) The price of a big bottle before discount is \$14.40.
Susan bought 1 small bottle and 1 big bottle of detergent from Shop A.
She paid \$18.25 altogether. What was the price of the small bottle before discount?

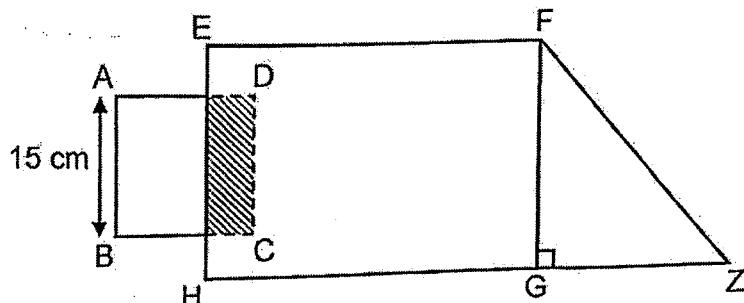
Ans: (a) _____ [2]

- (b) Michelle bought a bundle set from Shop B.
What percentage of the amount of money spent in Shop B
did she save by buying from Shop B instead of Shop A?
Round your answer to 1 decimal place.

Ans: (b) _____ [3]

12

The figure below is formed by a right-angled triangle FGZ, an overlapped square ABCD and rectangle EFGH. The area of the square is 25% of the area of rectangle. The ratio of the area of the rectangle to that of the triangle is 5 : 3. The shaded area is $\frac{1}{3}$ that of the total area of the square. The square has side 15 cm. What is the area of the figure?

Do not write
in this space

Ans: _____ [3]



END OF PAPER

SCHOOL : MGS SCHOOL
LEVEL : PRIMARY 6
SUBJECT : MATH
TERM : 2024 WA2

Q1)	a) $(18y + 17)$ b)59.75
Q2)	a) $\frac{1}{400}$ b)25
Q3)	$4u = 52$ $1u = 52 \div 4 = 13$ $5u = 13 \times 5 = 65$
Q4)	3 : 2 : 6
Q5)	25% \rightarrow 28 100% \rightarrow $28 \times 4 = \$112$
Q6)	100% - 55% - 30% = 15% 15% \rightarrow 84 5% \rightarrow $84 \div 3 = 28$ 55% \rightarrow $28 \times 11 = \$308$
Q7)	$\frac{4}{9}$
Q8)	a)135 b) $10\% \times 130 = 13$
Q9)	a)Z , Y , W , X b) $35u \times 2 = 70u$ $25u = 250$ $U = 250 \div 25 = 10$ $70u = 10 \times 70 = 700$
Q10)	True False True
Q11)	a)\$7.00 b)4.3%

Q12)	$25\% \rightarrow 15 \times 10 = 225$ $100\% \rightarrow 225 \times 4 = 900$ $5U = 900$ $1U = 900 \div 5 = 180$ $3U = 180 \times 3 = 540$ $\frac{2}{3} \times 225 = 150$ $150 + 900 + 450 = 1590 \text{ cm}^2$
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