Methodist Girls' School (Primary)
Primary 5 Mathematics
Weighted Assessment 2 2024

The use of an approved calculator is allowed.

Name: _____ ( ) Date: _____

Class: Primary 5. _____ Parent's Signature: _

30

Questions 1 to 8 carry 2 marks each. Show your workings clearly in the space below each question and write your answers in the answer spaces provided. For questions which require units, give your answers in the units stated.

(16 marks)

Do not write in this space

1 (a) Express $1\frac{3}{7}$ as a decimal. Round your answer to 2 decimal places.

Ans: (a) _____

(b) Evaluate $4\frac{1}{5} - 1\frac{8}{9}$. Express your answer as a mixed number.

Ans: (b) _____

2 What is the missing number in the box?

12 : ? = 9 : 24

Ans: _____

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3 There are 12 pink, 14 yellow and 10 green beads.
Write the ratio of the number of pink beads to the total number of beads in its simplest form.

Do not write in this space

Ans: _____

4 A box contains 64 apples and oranges altogether.
The number of apples to the number of oranges is in the ratio 3 : 5.
How many apples are there?

Ans: _____

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Do not write in this space

5 There are some red marbles and blue marbles in a bottle. $\frac{2}{7}$ of the marbles are red and the rest are blue. There are 213 more blue marbles than red marbles. How many marbles are there altogether?

Ans: _____

6 A vase holds blue, red and white roses. $\frac{1}{9}$ of the roses are blue.

$\frac{3}{4}$ of the remaining roses are red and the rest are white.

What fraction of the roses in the vase are white?

Ans: _____

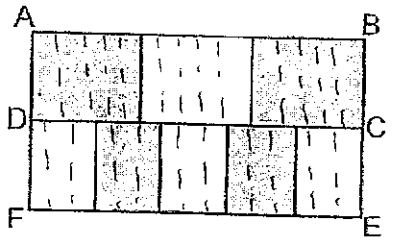
(Go on to the next page)

7 Alan had 30 stickers and Bala had 54 stickers. After Alan gave some stickers to Bala, the number of stickers Alan and Bala had was in the ratio 2 : 5. How many stickers did Alan give to Bala?

Do not write in this space

Ans: _____

8 The figure below is made up of 2 identical rectangles, ABCD and DCEF. ABCD is divided into 3 equal parts and DCEF is divided into 5 equal parts. What fraction of the figure is shaded?



Ans: _____

(Go on to the next page)

For questions **9 to 12**, show your working clearly and write your answers in the spaces provided. The number of marks available is shown in brackets [ ] at the end of each question or part-question. (14 marks)

Do not write in this space

9 Taylor used $2\frac{1}{4}$ m of fabric to make a dress and $\frac{2}{5}$ of the remaining fabric to sew a blouse. She had $4\frac{1}{5}$ m of fabric left. What was the length of fabric that she had at first?

Ans: _____ [3]

10 Adora had a bottle of apple juice. She drank 250 ml of it in the morning and $\frac{4}{7}$ of the remaining juice in the afternoon.

After that, there was $\frac{1}{3}$ of the bottle of juice left.

How much apple juice was there in the bottle at first?

Ans: _____ [3]

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11 Mrs Tan bought some notebooks and pencils for her students. The ratio of number of notebooks to the number of pencils that she bought was 2 : 3. Each notebook cost $1.20 and each pencil cost $0.75. Altogether, she paid $83.70. How many notebooks did she buy?

Do not write in this space

Ans: _____ [3]

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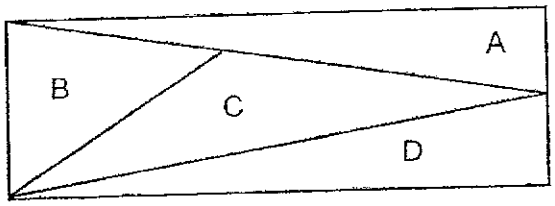
12 A rectangle is made up of four triangles, A, B, C and D.

The area of triangle A is $\frac{1}{4}$ of the area of the rectangle while the area of triangle B is $\frac{2}{9}$ of the area of the rectangle.



(a) The total area of triangle A and B is 51 cm^2. Find the area of the rectangle.

Ans: (a) _____ [2]

(b) The ratio of the length of the rectangle to its breadth is 3 : 1. Find the perimeter of the rectangle.

Ans: (a) _____ [3]

END OF PAPER

ANSWER KEY

YEAR : 2024
LEVEL : PRIMARY 5
SCHOOL : MGS
SUBJECT : MATHEMATICS
TERM : WA 2

Q1	a) $1.428 \approx 1.43$ b) $4\frac{1}{5} - 1\frac{8}{9} = 4\frac{9}{5} - 1\frac{40}{45} = 2\frac{31}{45}$	Q2	32
Q3	1 : 3	Q4	8u = 64 1u = 64 ÷ 8 = 8 3u = 8 x 3 = 24
Q5	$1 - \frac{2}{7} = \frac{5}{7}$ 3u = 213 1u = 213 ÷ 3 = 71 7u = 71 x 7 = 497	Q6	$\frac{6}{9} + \frac{1}{9} = \frac{7}{9}$ $1 - \frac{7}{9} = \frac{2}{9}$
Q7	7u = 84 1u = 84 ÷ 7 = 12	Q8	5 x 2 =10 2 x 3 = 6 10 + 6 = 16 16 ÷ 2 = 8 30 ÷ 2 = 15 $= \frac{8}{15}$
Q9	$3u = 4\frac{1}{5}$ m $1u = 4\frac{1}{5}$ m ÷ 3 = $1\frac{2}{5}$m $5u = 1\frac{2}{5}$m x 5 $7m + 2\frac{1}{4} = 9\frac{1}{4}$m	Q10	250ml = 9u – 7y 250ml = 2u 1u = 250ml ÷ 2 = 125ml 9u = 125ml x 9 = 1125ml
Q11	\$1.2 x 2 + \$0.75 = \$4.65 \$83.70 ÷ \$4.65 = 18 2 x 18 = 36	Q12	a) $\frac{1}{4} + \frac{2}{9} = \frac{9}{36} + \frac{8}{36}$ 51 ÷ 17 = 3 3 x 36 = 108cm^2 b) P = 2 x (6+18) = 48cm

END