Methodist Girls' School (Primary)
Primary 5 Mathematics
Weighted Assessment 3 2024

The use of calculator is NOT allowed

Name: _____ ( ) **Date:** _____

Class: Primary 5: _____ **Parent's Signature:** _____

30

Question 1 to 4 carry 1 mark each. Questions 5 to 7 carry 2 marks each.
For each question, four options are given. One of them is the correct answer.
Make your choice (1, 2, 3 or 4) and shade your answer accordingly below.
(10 marks)

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1	●
2	①
3	①
4	①
5	①
6	●
7	①

1 What is 80 kg 35g in kilograms?

(1) 80.035 kg

(2) 80.35 kg

(3) 8.035 kg

(4) 8.35 kg

2 What is the value of 40 ÷ 2000?

(1) 500

(2) 50

(3) 0.02

(4) 0.002

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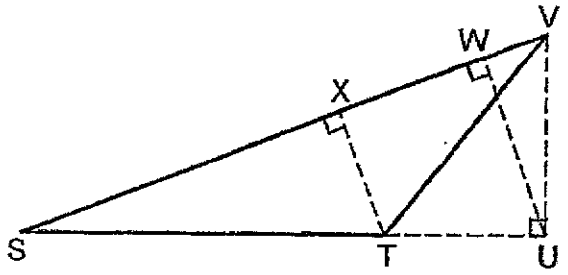
3 In the figure, SV is the base of the triangle SVT.
What is its corresponding height?



(1) XT

(2) VU

(3) VT

(4) WU

4 A tap can fill 10 identical bottles with water in 2 minutes.
At this rate, how many such bottles can it fill in 5 minutes?

(1) 100

(2) 50

(3) 25

(4) 4

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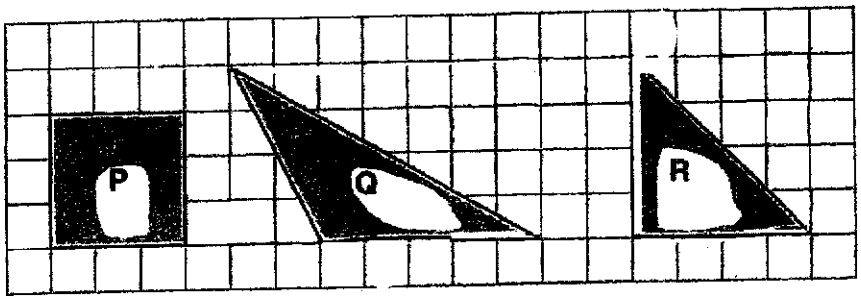
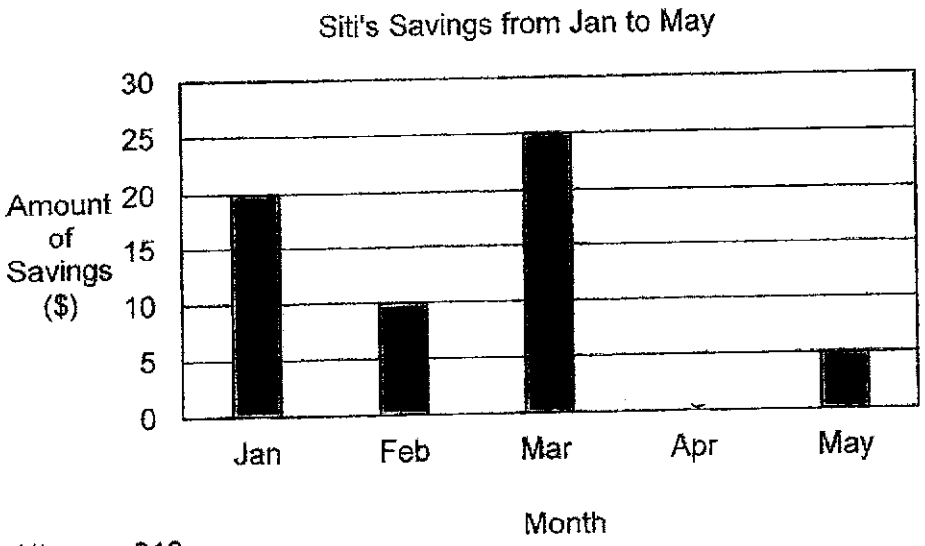
5 In the square grid below, P is a square, Q is an obtuse triangle and R is a right-angled triangle. Arrange P, Q and R from the smallest area to the largest area.



	Smallest		Largest
(1)	P,	Q,	R
(2)	R,	P,	Q
(3)	Q,	R,	P
(4)	P,	R,	Q

6 The bar graph shows Siti's savings from January to May.
What is her average savings from January to May?



(1) $12

(2) $15

(3) $60

(4) $300

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7 In the number line below, A represents $\frac{1}{4}$, C represents 1.45 and AB is 3 times of BC. What value is represented by B?

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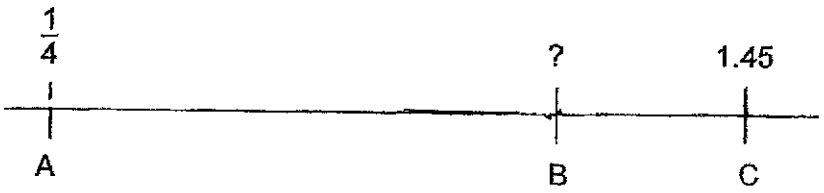

(1) 1.05

(2) 1.15

(3) 0.3

(4) 0.4

Questions **8** and **9** carry 1 mark each. Questions **10** to **13** 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. (10 marks)

8 Find the value of 0.35 x 600. Give your answer as a decimal.

Ans: _____

9 A machine can weave 10 m of cloth in 40 minutes.
What is the length of cloth that it can produce per minute?

Ans: _____ m

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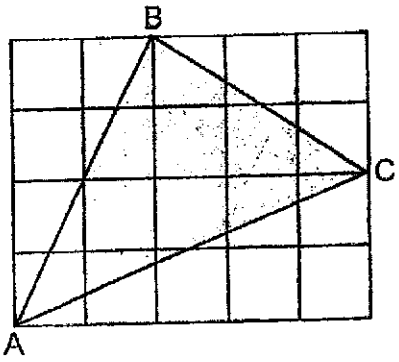
10 Triangle ABC is shown in the 1-cm square grid below.
Find its area.



Ans: _____ cm^2

11 The table shows Zhiming's marks for 4 subjects. Part of the table is covered by an ink blot. Zhiming average marks for the 4 subjects is 40.
How many marks did he get for his Science and Mathematics?

Subject	Marks
English	35
Mother Tongue	45
Science	3
Mathematics	7

Ans: Science: _____

Mathematics: _____

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12 The total mass of Kelly and Tessa is 109.4 kg. The total mass of Kelly and Diane is 73.12 kg. Tessa is three times as heavy as Diane. What is Diane's mass?

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Ans: _____ kg

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13 Henry turned on a tap to fill a tank. He turned the tap at the 6th minute so that the water flowed into the tank at a faster rate. The graph shows the volume of water that flowed into the tank.

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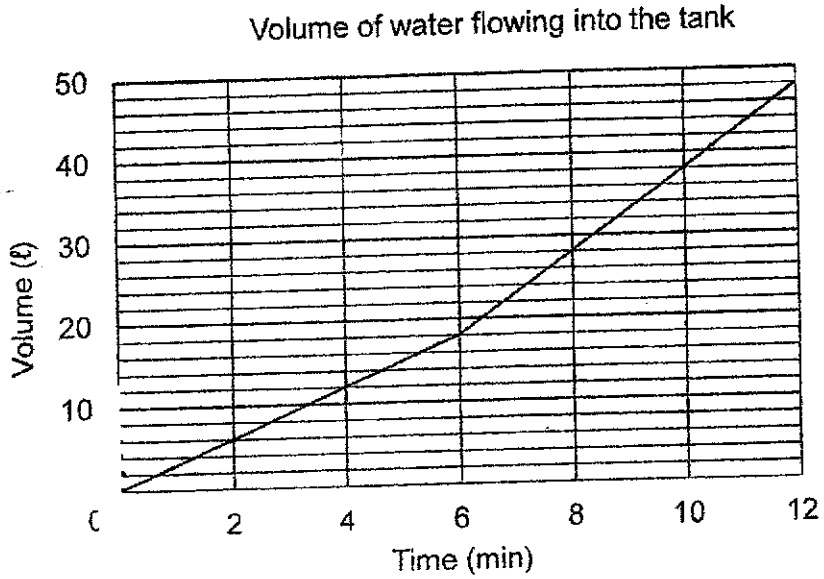

How much more water flowed into the tank per minute after the 6th minute?

Ans: _____ ℓ

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For questions **14 to 16**, 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. 11 (10 marks)

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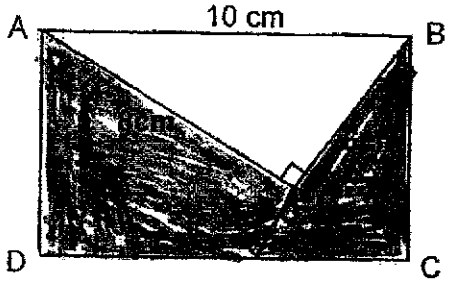
14 In the figure below, ABCD is a rectangle and ABE is a right-angled triangle with sides measuring 6 cm, 8 cm and 10 cm. The perimeter of the shaded part is 38 cm.



(a) What is the length of AD?

Ans: (a) _____ [2]

(b) What is the area of the shaded part?

Ans: (b) _____ [2]

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15 The table shows the charges for taxi fare.

First 1 km	$4.00
Every additional 400 m or less	$0.30
Every 45 seconds of waiting or less	$0.30

(a) Alan took a taxi from home to a mall. The taxi stopped once at a traffic light for 1 minute and travelled a total distance of 2.2 km to reach the mall. How much was his taxi fare?

Ans: (a) _____ [2]

(b) Karen paid $7 for her taxi fare. She did not stop at all for the whole journey. What is the furthest distance she travelled?

Ans: (b) _____ [2]

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16 The average amount of money that 6 boys had was $1 more than the average amount of money 4 girls had. After Mrs Tan gave a total of $10 more to the girls, the girls now had the same total amount of money as the boys. How much money did the 4 girls have altogether at first?

Do not write in this space

Ans:_____ [3]

END OF PAPER

METHODIST GIRLS' SCHOOL (PRIMARY)
Primary 5 Standard Mathematics
2024 Weighted Assessment 3
Answer Key

Questions 1 to 4 (1 mark each), Q5 to 7 (2 marks each)

Q1	**1**	Q3	**1**	Q5	**2**	Q7	**2**
Q2	**3**	Q4	**3**	Q6	**1**		

Questions 8 and 9 (1 mark each), Q10 to 13 (2 marks each)

Question	Answer	
8.	**210**	0.35 x 600 = 0.35 x 6 x 100 = 2.1 x 100 = **210**
9.	**0.25 / $\frac{1}{4}$**	Length of fabric per minute = 10 m ÷ 40 = 10m ÷ 10 ÷ 4 = 1m ÷ 4 = **0.25 m or $\frac{1}{4}$ m**
10.	**8**	Area of triangle ABC = 20 – ($\frac{1}{2}$ x 2 x 4) – ($\frac{1}{2}$ x 2 x 3) – ($\frac{1}{2}$ x 2 x 5) = **8 cm²**
11.	**SC: 33** **MA: 47**	Total for Science and Math = 4 x 40 – 35 – 45 = 80
12.	**18.14 kg**	2 units = 109.4 kg – 73.12 kg = 36.28 kg 1 unit = 36.28 kg ÷ 2 18.14 kg Diane is **18.14 kg**.

Question	Answer	
13.	**2 ℓ**	Rate in the first 6 minutes = (18 - 0) ÷ 6 = 3ℓ / min Rate after 6th minute = (48 – 18) ÷ 6 = 5ℓ / min Increase per minute = 5ℓ - 3ℓ = 2ℓ

Q14 to to 16 (Q14 & 15: 4m each, Q16: 3m)

Question	Answer	
14 (a)	**7 cm**	Perimeter of shaded part = 38 cm AD + 8 cm + 6 cm + 10 cm + AD = 38 cm 2 x AD = 38 cm – 8 cm – 6 cm – 10 cm = 14 cm AD = 14 cm ÷ 2 = **7 cm**
14 (b)	**46 cm²**	Area of rectangle ABCD = 7 cm x 10 cm = 70 cm² Area of triangle ABE $= \frac{1}{2}$ x 8 cm x 6 cm = 24 cm² Area of shaded part = 70 cm² - 24 cm² = **46 cm²**
15 (a)	**$5.50**	2.2 km – 1 km = 1.2 km = 1 200 m No. of 400 m after 1st km = 1 200 ÷ 400

<table>
<tr><td></td><td></td><td>= 3
Total taxi fare
= $4 + 3 x $0.30 + 2 x $0.30
= $5.50</td></tr>
<tr><td>16 (b)</td><td>5 km /
5 000 m</td><td>Fare after the first km
= $7 - $4
= $3
No. of 400 m after the 1st km
= $3 ÷ $0.30
= 10
Total distance travelled
= 1km + 10 x 400 m
= 1 km + 4000 m
= 5 km or 5 000 m</td></tr>
<tr><td>16</td><td>$8</td><td>Boys
<table><tr><td>1u</td><td>$1</td></tr><tr><td>1u</td><td>$1</td></tr><tr><td>1u</td><td>$1</td></tr><tr><td>1u</td><td>$1</td></tr><tr><td>1u</td><td>$1</td></tr><tr><td>1u</td><td>$1</td></tr></table>Girls
<table><tr><td>1u</td><td>$2.50</td></tr><tr><td>1u</td><td>$2.50</td></tr><tr><td>1u</td><td>$2.50</td></tr><tr><td>1u</td><td>$2.50</td></tr></table>6u + $6 = 4u + $10
2u = $10 – $6 = $4
1u = $2
4u = $2 x 4
= $8</td></tr>
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END