MARIS STELLA HIGH SCHOOL (PRIMARY)

PRIMARY 5 MATHEMATICS

TERM 2 WEIGHTED ASSESSMENT

11 MAY 2023

17 questions

55 marks

Total Time: 1 hour and 30 minutes

NAME : _____ ( )

CLASS : PRIMARY 5 _____

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

FOLLOW ALL INSTRUCTIONS CAREFULLY.

YOU ARE **ALLOWED** TO USE A CALCULATOR.

ANSWER ALL QUESTIONS.

MARKS OBTAINED	**Parent's Signature:**
TOTAL: _____ / 55	_____ **Date:** _____

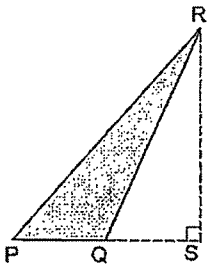
Questions 1 to 5 carry 2 marks each. Show your working clearly in the space provided for each question and write your answers in the blanks provided. For questions which require units, give your answers in the units stated. (10 marks)

1. Express $\frac{4}{13}$ as a decimal. Correct your answer to 2 decimal places.

Do not write in this space.

Answer: _____ [2]

2. RS is the height of triangle PRQ. _____ is its base.



Answer: _____ [2]

3. 204 : 252 : 180 = (a) : (b) : 15

Answer: (a)_____ [1]

(b)_____ [1]

SCORE

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4. A box contained 63 books. 14 of the books were fiction books and the rest were non-fiction books. Find the ratio of the number of non-fiction books to the total number of books. Give your answer in the simplest form.

Do not write in this space.

Answer: _____ [2]

5. Mitra had some $5 notes and $50 notes.
He had as many $5 notes as $50 notes.
The total value of the notes was $880.
How many $50 notes did he have?

Answer: _____ [2]

SCORE

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For Questions **6** to **17**, **show your working** clearly in the space below each question and write your answers in the blanks provided. The number of marks available is shown in the brackets [ ] at the end of each question or part-question. (45 marks)

Do not write in this space.

6. (a) $7\frac{1}{2} + 3\frac{3}{4} =$

(b) $11\frac{1}{3} - 4\frac{1}{8} =$

(c) Find the product of $7\frac{2}{5}$ and 40.

Answer: (a)_____ [1]

(b)_____ [1]

(c)_____ [1]

7. The table below shows the number of each item sold at a bookshop. Part of the table is stained with ink.

Item	Number sold
Pen	
Ruler	64
Eraser	50

(a) The ratio of the number of pens sold to the number of rulers sold is 1: 4. Find the number of pens sold.

(b) What is the ratio of the number of rulers sold to the total number of rulers and erasers sold? Give your answer in the simplest form.

Answer: (a)_____ [1]

(b)_____ [2]

SCORE

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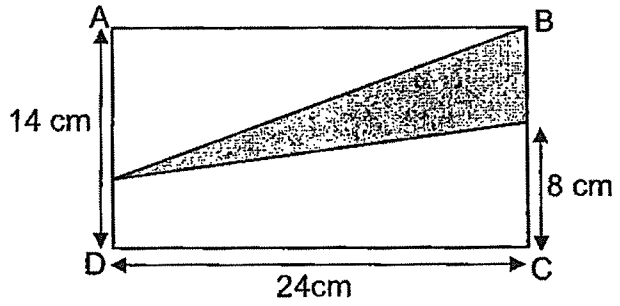
8. Figure ABCD is a rectangle. Find the area of the shaded part.



Do not write in this space.

Answer: _____ [3]

9. Rachel made 450 mℓ of fruit punch by mixing apple juice with soda. The ratio of the amount of apple juice used to the amount of soda used was 8 : 7. How much soda did Rachel use?

Answer: _____ [3]

SCORE

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10. The number of packets of rice donated by Andy, Gary and Winnie were in the ratio 4 : 5 : 7. Winnie donated 20 more packets of rice than Gary. How many packets of rice did they donate altogether?

Do not write in this space.

Answer: _____ [3]

11. Sarah had 510 stickers. She threw away 30 stickers and gave $\frac{1}{2}$ of the remaining stickers to her sister.

(a) What fraction of the original amount of stickers did she throw away? Give your answer in the simplest form.

(b) How many stickers did Sarah give to her sister?

Answer: (a) _____ [1]

(b) _____ [3]

SCORE

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12. 4 years ago, Jack was 3 times as old as Toby. The sum of their ages now is 44. How old is Jack now?

Do not write in this space.

Answer: _____ [4]

SCORE
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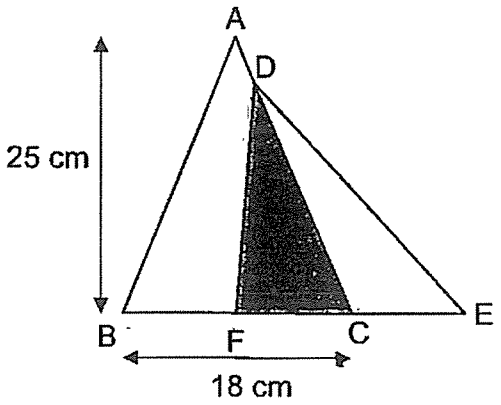
13. Triangle ABC overlaps Triangle DEF as shown. The height of triangle ABC is 25 cm and its base is 18 cm. BF = FC = CE. The shaded area is 99 cm^2.

Do not write in this space.

(a) Find the area of the unshaded region of Triangle ABC.

(b) Find the area of Triangle DFE.



Answer: (a) _____ [2]

(b) _____ [2]

SCORE

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14. Lilin had \$12080 and Maia had \$1760. After an equal amount of money was given to the both of them, the amount of money Lilin had was 5 times that of Maia. How much money did each of them receive?

Do not write in this space.

Answer: _____ [4]

SCORE

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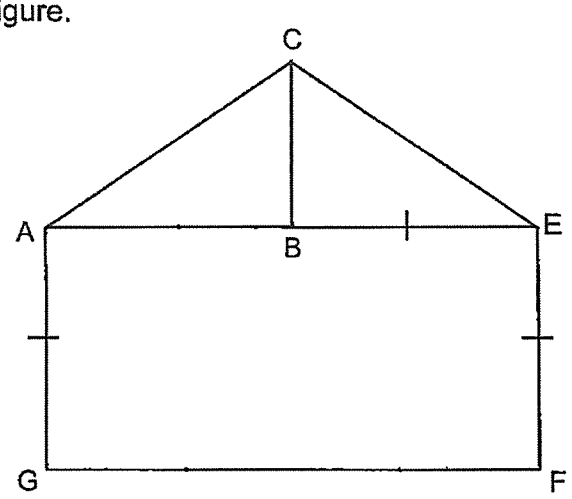
Do not write in this space.

15. The figure below is made up of rectangle AEFG and 2 right angled triangles. AG = AB = BE = EF. BC is $\frac{1}{3}$ of AE. The perimeter of rectangle AEFG is 108 cm. Find the area of the figure.



Answer: _____ [4]

SCORE
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16. Mrs Yang baked some macaroons. $\frac{3}{4}$ of them were chocolate macaroons and the rest were strawberry macaroons. She sold $\frac{5}{6}$ of the chocolate macaroons and $\frac{3}{8}$ of the strawberry macaroons. After that, she had 81 macaroons left.

Do not write in this space.

(a) How many macaroons did Mrs Yang bake?

(b) She sold the macaroons at 3 for $7.
How much did she collect from the sale of the macaroons?

Answer: (a) _____ [3]

(b) _____ [2]

SCORE
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17. Mr Lim divided a sum of money among his 4 children, Ben, Carol, Dan and Eunice. Ben received $525 and Carol received $\frac{1}{3}$ of the remaining money. Dan received half of what Carol received and Eunice received the rest which was $\frac{1}{4}$ of the sum of money.

Do not write in this space.

(a) What fraction of the sum of money did Ben receive? Give your answer in the simplest form.

(b) How much was the sum of money?

Answer: (a) _____ [3]

(b) _____ [2]

End of Paper

Please check your work carefully

SCORE

SCHOOL : MARIS STELLA PRIMARY SCHOOL

LEVEL : PRIMARY 5
SUBJECT : MATH
TERM : WA2 (2023)

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1)	0.31
2)	PQ
3)	a)17 b)21
4)	7:9
5)	16
6)	a)11¼ b)$7\frac{5}{24}$ c)296
7)	a)16 b)32:57
8)	14 – 8 = 6 ½ x 6 x 24 = 72cm2
9)	8 + 7 =15 450 ÷ 15 = 30 30 x 7 = 210ml
10)	2unit = 20 1unit = 10 7 + 5 + 4 = 16 16 units = 16 x 10 = 160

11)	a) $\frac{1}{17}$ b) 1 unit = 30 8 units = 30 x 8 = 240
12)	44 – 8 = 36 1 unit = 36 ÷ 4 = 9 3 units = 9 x 3 = 27 27 + 4 = 31 years old
13)	a) ABC = ½ x 25 x 18 = 225cm2 225 – 99 = 126cm2 b) 198cm2
14)	4u = 12080 – 1760 = 10320 1u = 2580 2580 – 1760 = $820
15)	108 ÷ 6 = 18 AE = 18 x 2 = 36cm CB = 36 ÷ 3 = 12 ABC = ½ x 12 x 18 = 108cm2 108 x 2 = 216cm2 36 x 18 = 648cm2 648 + 216 = 864cm2
16)	a) 9 units = 81 1unit = 81 ÷ 9 = 9 8 units = 9 x 8 = 72 2 unit = 72 8 units = 72 x 4 = 288 b) 288 – 81 = 207 207 ÷ 3 = 69 69 x 7 = $483
17)	a) ¼ = 3 unit $\frac{4}{4}$ = 3 x 4 = 12 units 12 – 6 = 6 $\frac{6}{12}$ = ½ b) 6 units = 525

	1 unit = 525 ÷ 6 = 87.5 12 units = 87.5 x 12 = $1050