Rosyth School
Term Assessment 2023 (Term 2)
MATHEMATICS
Primary 6
Paper 1

Name : _____ ( )

Class : Pr 6 _____

Date : 12 May 2023 Parent's Signature: _____

Total Time for Booklets A and B : 25 min

Booklet A

Instructions to Pupils:

1. Do not turn over this page until you are told to do so.
2. Follow all instructions carefully.
3. Answer all questions.
4. Use a dark blue or black ballpoint pen to write your answers in the bracket provided for each question.
5. Do not use correction fluid/tape or highlighters.
6. The use of a calculator is not allowed.

Questions	Maximum Mark	Marks Obtained
Q 1 – 5	5	

* This paper **consists of 3 printed pages** altogether (including the cover page).

Questions 1 to 5 carry 1 mark each. For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4) and write your answer in the brackets provided.

All diagrams in this paper are not drawn to scale unless stated otherwise.

(5 marks)

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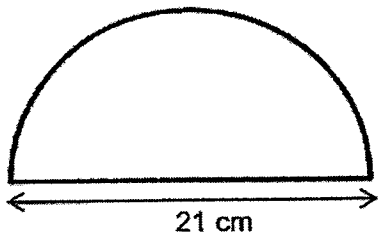
1. Which of the following is equivalent to $\frac{3}{5}$?

(1) 0.6
(2) 0.06
(3) 0.006
(4) 6

( )

2. The figure shows a semicircle with a diameter of 21 cm.

What is the perimeter of the semicircle? (Take $\pi = \frac{22}{7}$)



(1) 33 cm
(2) 54 cm
(3) 66 cm
(4) 87 cm

( )

3. John took 20 minutes to drive from home to the library at an average speed of 30 km/h. What was the distance he travelled?

(1) 1.5 km
(2) 10 km
(3) 20 km
(4) 60 km

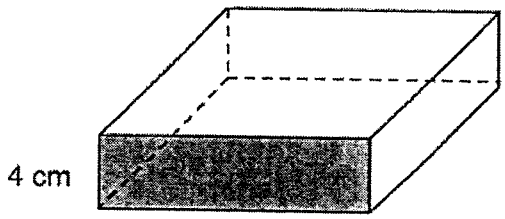
( )

4. Simplify $15c + 13 - 7c - 8$.

(1) $22c + 5$
(2) $22c - 5$
(3) $8c - 5$
(4) $8c + 5$

( )

5. The figure shows a cuboid with a square base and a height of 4 cm. The area of the shaded face is 32 cm^2. What is the volume of the cuboid?



(1) 48 cm^3
(2) 64 cm^3
(3) 256 cm^3
(4) 512 cm^3

( )

Go on to Booklet B

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MATHEMATICS
Primary 6
Paper 1

Name : _____ ( )

Class : Pr 6 _____

Date : 12 May 2023 Parent's Signature: _____

Total Time for Booklets A and B : 25 min

Booklet B

Instructions to Pupils:

1. Do not turn over this page until you are told to do so.
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6. The use of a calculator is not allowed.

Questions	Maximum Mark	Marks Obtained
Q 6 – 14	15	

* This paper **consists of 5 printed pages** altogether (including the cover page).

Questions **6** to **8** carry 1 mark each. Questions **9** to **14** carry 2 marks each. Show your workings clearly in the space provided for each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

All diagrams in this paper are not drawn to scale unless stated otherwise.

(15 marks)

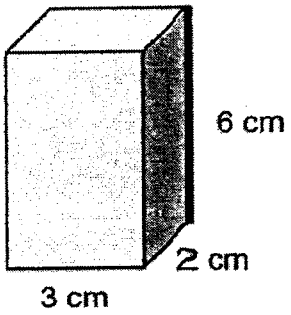
Do not write in this space

6. Which of the following fractions has the smallest value?

$$\frac{3}{9}, \frac{3}{7}, \frac{3}{11}, \frac{3}{5}$$

Ans: _____

7. Ravi had a rectangular tank 3 cm by 2 cm by 6 cm. He painted all the faces of the block except for the base. What is the total painted area?



Ans: _____ cm^2

8. Find the value of $9k - 2$ when $k = 2$.

Ans: _____

9. The figure below shows a trapezium WXYZ. WX is parallel to ZY. WXZ is an isosceles triangle. Find ∠XYZ.

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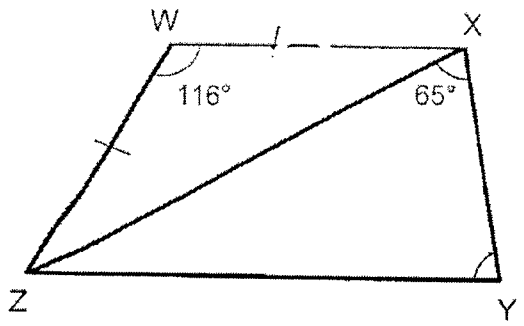

Ans: _____ °

10. The ratio of the number of sweets Clark has to the number of sweets Daniel has is 5 : 9. After each of them bought 8 more sweets, their ratio becomes 3 : 5. Find the number of sweets Clark has now.

Ans: _____

11. Danial, Eric and Francis share some money. D anial has $4 more than Eric and Francis has $5*p* more than Eric. If Eric has $4p, how much money do they have altogether?

Do not write in this space

Ans: $ _____

12. There were 2 more boys than girls at a party. Each boy was given 3 sweets and each girl was given 4 sweets. A total of 62 sweets was given out in the party. How many girls were there at the party?

Ans: _____

13. The figure shows a rectangle with two identical quarter circles. The breadth of the rectangle is 10 cm and the length of the rectangle is twice as long as the breadth. What is the total area of the unshaded parts?
Give your answer in terms of π.

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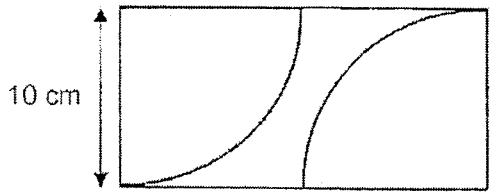
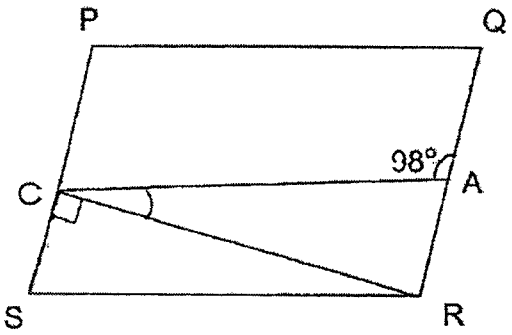


Ans: _____ cm^2

14. PQRS is a parallelogram. $\angle QAC = 98°$ and $\angle SCR$ is a right angle.
Find $\angle ACR$.



Ans: _____ °

End of Paper 1
Have you checked your work?

Rosyth School
Term Assessment 2023 (Term 2)
MATHEMATICS
Primary 6

Name: _____ _____ ( )

Class: Pr 6 _____

Date: 12 May 2023 Parent's Signature: _____

Time: 35 min

PAPER 2

Instructions to Pupils:

1. Do not turn over this page until you are told to do so.
2. Follow all instructions carefully.
3. Answer all questions.
4. Use a dark blue or black ballpoint pen to write your answers in the space provided for each question.
5. Do not use correction fluid/tape or highlighters.
6. The use of an approved calculator is allowed.

Questions	Maximum Mark	Marks Obtained
Q 15 to 20	20	

Section	Maximum Mark	Marks Obtained
Paper 1	20	
Paper 2	20	
Total	40	

* This booklet consists of **6 printed pages** altogether (including this cover page).

For Questions **15** to **20,** show your working clearly in the space provided for each question 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. For questions which require units, give your answers in the units stated.

All diagrams in this paper are not drawn to scale unless stated otherwise.

(20 marks)

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15. Ahmad receives the same amount of allowance every week. He spent $680 of his allowance and saved the rest. When he increased his spending by 30%, his savings decreased by 20%. How much was his allowance?

Ans: $_____ [2]

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16. Raja and Muthu had a total of $402.60. Raja spent 75% of his money and Muthu spent 50% of his money. In the end, Muthu and Raja had the same amount of money left. How much money did they spend altogether?

Ans: _____ [3]

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17. Mark has 3 containers. $\frac{3}{5}$ of Container A is filled with water. Container B and Container C are empty. Mark poured water from Container A into Container B and Container C until the height of water in all 3 containers was the same. How much water was in Container C in the end?

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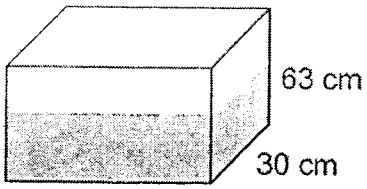
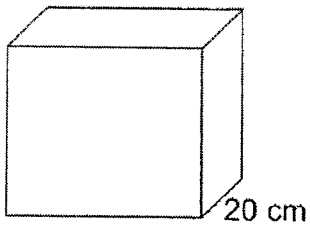
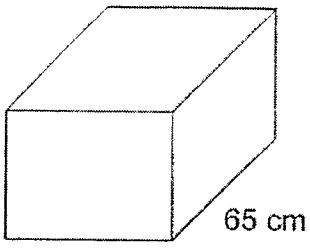


Container A



Container B



Container C

Ans: _____ [4]

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18. In the figure below, ABCD is a parallelogram and AEF is an isosceles triangle. DEFB is a straight line. ∠DCB = 108°, ∠AEF = 75° and ∠FAB = 11°.

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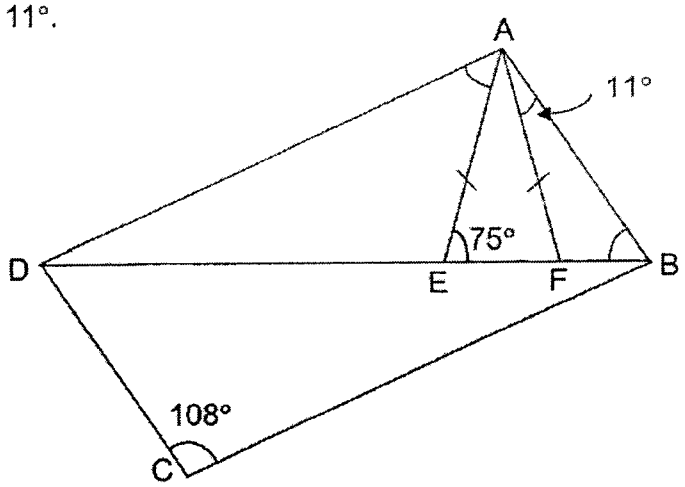

(a) Find ∠ABF.

Ans: (a) _____ [2]

(b) Find ∠DAE.

Ans:(b) _____ [2]

(Go on to the next page)

19. Study the pattern below.

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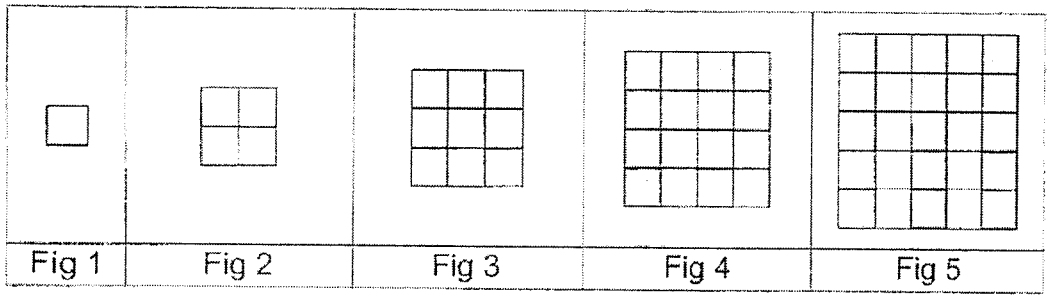


Fig 1	Fig 2	Fig 3	Fig 4	Fig 5

Figure Number	Number of shaded squares	Number of unshaded squares	Total number of squares
1	1	0	1
2	2	2	4
3	6	3	9
4	8	8	16
5	15	10	25

(a) Find the total number of squares in Figure 8.

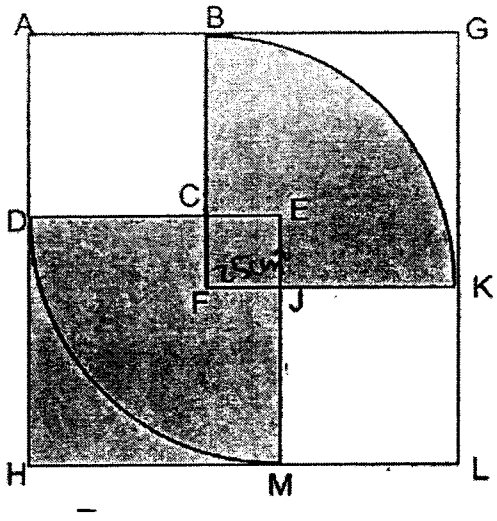
Ans: (a) _____ [1]

(b) How many unshaded squares are there in Figure 84?

Ans: (b) _____ [2]

20. The design below is made up of 2 identical quadrants, two identical squares ABCD and JKLM, and a small square CEJF. The area of square CEJF is 25 cm^2 and the radius of the quadrants is 18 cm. Find the area of the **shaded** parts. (Take $\pi = 3.14$)

Do not write in this space



Ans: _____ [4]

End of Paper 2
Have you checked your work?

SCHOOL : rosyth SCHOOL
LEVEL : PRIMARY 6
SUBJECT : MATH
TERM : WA2 2023

Q 1	Q2	Q3	Q4	Q5
1	2	2	4	3

Q6)	$\frac{3}{11}$
Q7)	66cm2
Q8)	16
Q9)	83°
Q10)	48
Q11)	$(17p+4)
Q12)	8
Q13)	(200 - 50πcm2
Q14)	8
Q15)	30% spending --- 30% x 680 = 204 10% spending --- 204 ÷ 3 = 68 100% spending --- 68 x 10 – 680 20% saving --- 204 100% saving --- 204 x 5 = 1020 Allowance --- 1020 + 680 = $1700

Q16)	6u --- 402.60 1u --- 402.60 = 67.10 4u --- 67.10 x 4 = $268.40
Q17)	14040cm3
Q18)	a)64° b)67°
Q19)	a)64 3528
Q20)	Area of DEMH --- 18 x 18 = 324 Area of quadrant --- ¼ x 3.14 x 18 x 18 = 254.34 Total --- 324 + 254.34 = 578.34 578.34 – 25 = 553.34cm2