

# Rosyth School Diagnostic Assessment 2021 Mathematics Paper 1 Primary 6

	-Onglessay	
Total Tir	ne for Booklets A and B : 1 hour	
Date:	Parent's Signature:	
Class: F	Pr 6	
Name: _	Register	No

#### Instructions to Pupils:

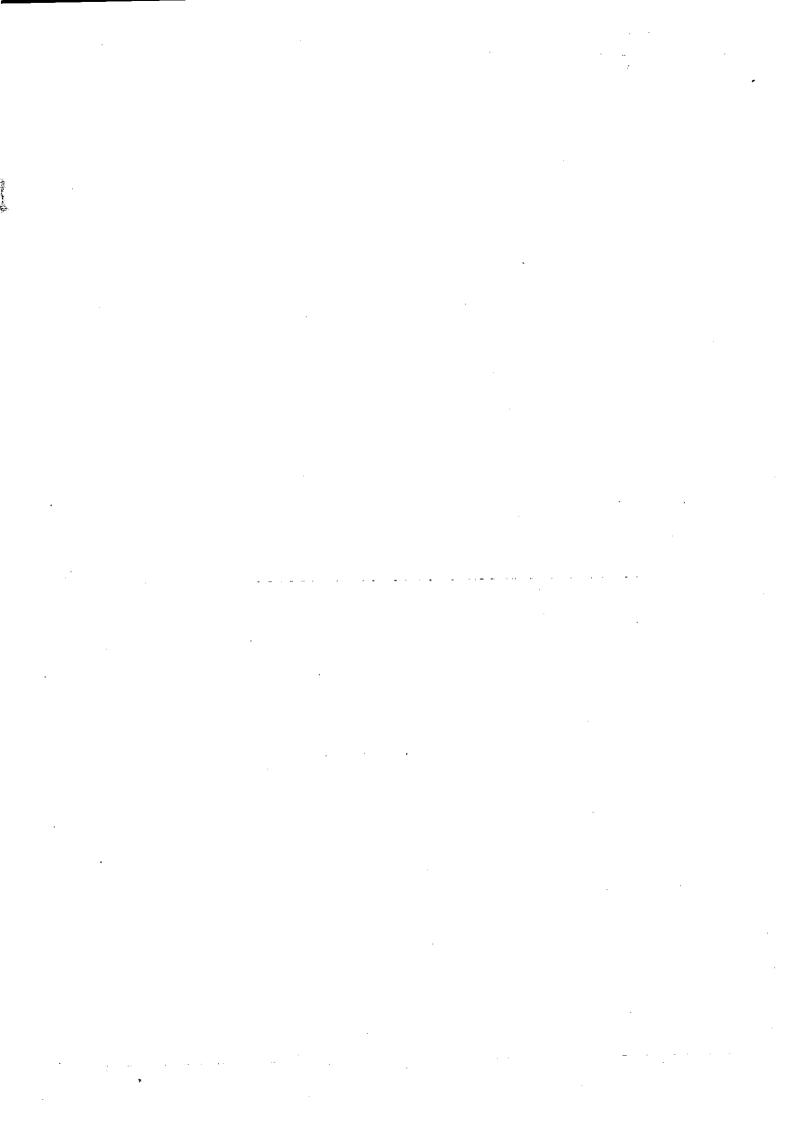
- 1. Do not open this booklet until you are told to do so.
- 2. Follow all instructions carefully.
- 3. Shade your answers in the Optical Answer Sheet (OAS) provided.
- 4. You are not allowed to use a calculator.
- 5. Answer all questions.

Section	Maximum Mark	Marks Obtained		
Paper 1 (Booklet A)	20			

<sup>\*</sup> This booklet consists of 7 pages (including this cover page).

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<sup>&</sup>quot;This is a non-weighted assessment.



Questions 1 to 10 carry 1 mark each. Questions 11 to 15 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). Shade the oval (1, 2, 3 or 4) on the Optical Answer Sheet.

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

(20 marks)

- 1 In digit 58.72, what does the digit 7 stand for?
  - (1) 7 ones
  - (2) 7 tens
  - (3) 7 tenths
  - (4) 7 hundredths
- 2 Arrange the following fractions from the largest to the smallest:

$$\frac{4}{5} , \frac{1}{4} , \frac{5}{9}$$

- (1)  $\frac{1}{4}$   $\frac{4}{5}$   $\frac{5}{9}$
- (2)  $\frac{4}{5}$ ,  $\frac{5}{9}$ ,  $\frac{1}{4}$
- (3)  $\frac{5}{9} \cdot \frac{1}{4} \cdot \frac{4}{5}$
- (4)  $\frac{5}{9}$ ,  $\frac{4}{5}$ ,  $\frac{1}{4}$
- 3 There were 34 901 visitors at the National Museum last year. Round off this number to the nearest thousand.
  - (1) 30 000
  - (2) 34 000
  - (3) 34 900
  - (4) 35 000

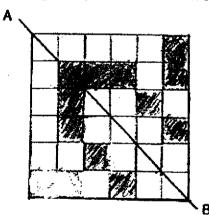
- 4 Simplify 14b + 11 6b 5 2.
  - (1) (8b + 4)
  - (2) (8b + 8)
  - (3) (20b + 4)
  - (4) (20b + 8)
- 5 In a class of 40 pupils, 16 pupils wear glasses. What percentage of the pupils wear glasses?
  - (1) 16%
  - (2) 24%
  - (3) 40%
  - (4) 60%
- The table below shows James's marks for his English, Mother Tongue and Science tests. He scored an average of 78 marks for his 3 subjects.

Subject	Score		
English	69		
Mother Tongue	89		
Science	?		

What did James score for his Science?

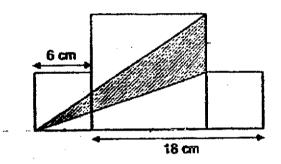
- (1) 76
- (2) 78
- (3) 158
- (4) 234

- 7 A carpenter can make 12 tables in 6 days. How long will he take to make 168 tables?
  - (1) 14
  - (2) 28
  - (3) 42
  - (4) 84
- 8 Which of the following has the same value as 40 kg 35 g?
  - (1) 40 350 g
  - (2) 4035 g
  - (3) 40.35 kg
  - (4) 40.035 kg
- The figure below is made up of squares. What is the least number of squares to be shaded to form a symmetric figure with AB as the tine of symmetry?



- (1)
- (2) 2
- (3) 3
- (4) 4

- 10 Ada baked a cake and gave  $\frac{1}{3}$  of it to her neighbour. She cut the remainder equally into 5 slices. What fraction of the whole cake was each slice?
  - (1)  $\frac{1}{5}$
  - (2)  $\frac{3}{5}$
  - (3)  $\frac{1}{15}$
  - (4)  $\frac{2}{15}$
- 11 The figure below is made of two identical smaller squares and a bigger square. Find the area of the shaded triangle.



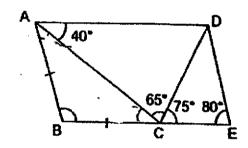
- (1) 18 cm<sup>2</sup>
- (2) 36 cm<sup>2</sup>
- (3) 54 cm<sup>2</sup>
- (4) 84 cm<sup>2</sup>

A repeated pattern is formed using the numbers 1 and 0. The first 18 numbers are shown below.

1 1 0 1 0 1 1 1 0 1 0 1 1 1 0 1 0 1...

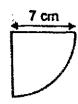
What is the sum of the first 100 numbers?

- (1) 64
- (2) 65
- (3) 67
- (4) 68
- In the figure below, ABCD is a trapezium. AB = BC and BCE is a straight line. Find ∠ABC.



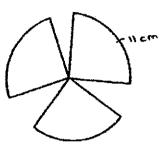
- (1) 100°
- (2) 105°
- (3) 115°
- (4) 130\*
- Mr Lim donated \$800 to charity in April. In May, he donated 20% more than in April. In March, he donated 25% less than in April. How much money did he donate altogether?
  - (1) \$2120
  - (2) \$2360
  - (3) \$2400
  - (4) \$2760

15 A piece of wire is bent to form 1 quarter circle.



Find the total length of the wire used to form the figure below using the quarter

circle. (Take  $\pi = \frac{22}{7}$ )



- (1) 22 cm
- (2) 36 cm
- (3) 47 cm
- (4) 75 cm



# Rosyth School Diagnostic Assessment 2021 Mathematics Paper 1 Primary 6

· B	ooklet B
Total Time for Booklets A and B	: 1 hour
Date:	Parent's Signature:
Class: Pr 6	
Name	Register No.

#### Instructions to Pupils:

- 1. Do not open this booklet until you are told to do so.
- 2. Follow all instructions carefully.
- 3. You are not allowed to use a calculator.
- 4. Write your answers in the booklet.
- 5. Answer all questions.

Section	Maximum Mark	Marks Obtained
Paper 1 (Booklet B)	25	

<sup>\*</sup> This booklet consists of 8 pages (including this cover page).

\* This is a non-weighted assessment.

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\_\_\_\_\_\_ \*

Questions 16 to 20 carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

Do not write in this space

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

5 marks)

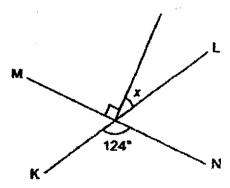
16 Find the value of  $\frac{5}{9} \times \frac{3}{8}$ . Give your answer as a fraction in the simplest form.

Ans:

17 Find the value of  $24 - \frac{8k}{2}$  when k = 5.

Ans : \_\_\_\_

18 In the figure, KL and MN are straight lines. Find LX.



Ans :\_\_\_\_\_

Dan has 2x ribbons. Ben has thrice as many ribbons as Dan.

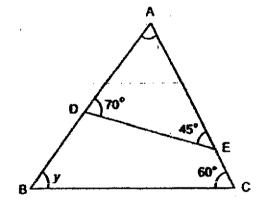
Jane has 4 fewer ribbons than Ben.

How many ribbons do they have altogether in terms of x?

Do not write in this space

Ans : \_\_\_\_\_

In the figure below, ABC and ADE are triangles. Find  $\angle y$ .



Ans : \_\_\_\_\_

Questions 21 to 30 carry 2 marks each. Show your workings clearly in the space | Do not write provided for each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

in this space

All diagrams in this paper are not drawn to scale unless stated otherw	se.
	iarks)

21	Find the value of $11 \times 7 + 10 - 6 + (1)$	(5 + 3)
----	--	---------

Ane					
Ans	•			 ı	

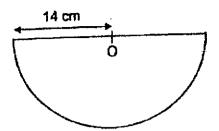
In class P5-A, the average number of books borrowed by all the 20 22 students was 4 books.

For each statement, put a tick ( $\vec{v}$ ) in the correct column.

Statement	True	False	Not possible to tell
(a) If each student borrowed 2 more books, the average number of books borrowed by the class will be 5.			
(b) There are an equal number of boys and girls in the class. If each boy borrowed 3 more books and each girl borrowed 1 more book, the new average of books borrowed by the class will be 6.			

The figure below is made up of 1 semi-circle with a radius 14 cm. Find the perimeter of the figure. (Take  $\pi = \frac{22}{7}$ )

Do not write In this space



Ans:		Cm
MID.		 4.11

24 The postal charges for sending a parcel to Malaysia are as shown below.

Mass	Charges
First 5 kg	\$25
Additional 1 kg or part thereof	\$3

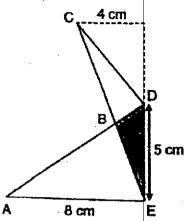
How much would Tim have to pay for sending a parcel weighing 8.4 kg?

	1
Ans:\$	

25			Do not write in this space
	She used $\frac{1}{5}$ kg of the flour to make bread and $\frac{1}{4}$ of the flour to make	<b>e</b>	*i uns apace
	cupcakes. She had 190 g of flour left. How many grams of flour did	ļ \$	
	Eileen have at first?		
			٠
	Ans:	g	
		:	
2€	Jane baked q muffins. She sold 4 muffins and gave the remaining muffins to 5 of her neighbours.		
	(a) How many muffins did the 5 neighbours receive in terms of q?		
•• •:	(b) If Jane baked 29 mulfins, how many mulfins did each neighbor	get?	-
	·		
	(a) Ans:		
	(b) Ans:		

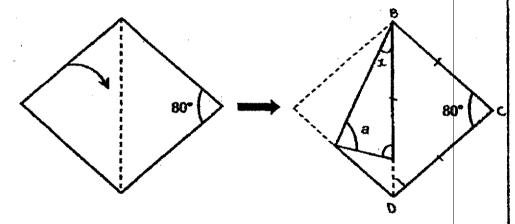
	Daniel had \$500. He 30% of his remaining altogether?	e spent 30% g money on	of his mone a bag. How	ey on a pair of sh much money did	loes and The spend	Do not write in this space
	÷.					
				*==. <b>6</b>		
				Ans:\$		
28	The table below sho	ows the adm	ission fees t	o a museum for	an adult and	
28	The table below sho a child. There were total of \$1230 was o	e 20 more ch	hildren than a	adults at the mus	eum. If a	
28	a child. There were	e 20 more ch collected, ho	nildren than a ow many adu	adults at the mus	eum. If a	
28	a child. There were	e 20 more ch collected, ho	sildren than a www.many.adu	adults at the mus	eum. If a	
28	a child. There were	e 20 more ch collected, ho	sildren than a www.many.adu	adults at the mus	eum. If a	
28	a child. There were	e 20 more ch collected, ho	sildren than a www.many.adu	adults at the mus	eum. If a	
28	a child. There were	e 20 more ch collected, ho	sildren than a www.many.adu	adults at the mus	eum. If a	
28	a child. There were	e 20 more ch collected, ho	sildren than a www.many.adu	adults at the mus	eum. If a	
28	a child. There were	e 20 more ch collected, ho	sildren than a www.many.adu	adults at the mus	eum. If a	
28	a child. There were	e 20 more ch collected, ho	sildren than a www.many.adu	adults at the mus	eum. If a	

Figure ABCDE has an area of 25 cm<sup>2</sup>. ABD and CBE are straight lines. Find the total unshaded area.



Ans: \_\_\_\_\_cm<sup>2</sup>

A piece of paper in the shape of a rhombus is folded along the dotted line as shown. Find ∠a.



Ans :\_\_\_\_\_

End of paper Have you checked your work?



# Rosyth School Diagnostic Assessment 2021 Mathematics Paper 2 Primary 6

Name:	Register No.
Class: Pr 6	
Date:	Parent's Signature:
Time: 1 h 30 min	

#### Instructions to Pupils:

- 1. Do not open this booklet until you are told to do so.
- 2. Follow all instructions carefully.
- 3. Show your workings clearly as marks are awarded for correct working.
- 4. Write your answers in this booklet.
- 5. You are allowed to use a calculator.
- 6. Answer all questions.

Questions	Maximum Mark	Marks Obtained
Q 1 to 5	10	
Q 6 to 17	45	

Section	Maximum Mark	Marks Obtained
Paper 1	45	
Paper 2	55	
Total	100	

<sup>\*</sup> This booklet consists of 16 pages (including this cover page).

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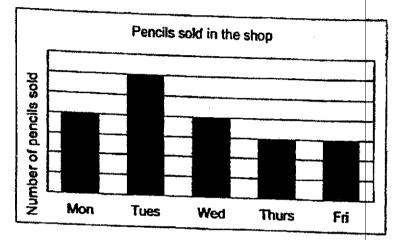
<sup>\*</sup> This is a non-weighted assessment.

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 spaces provided. For questions which require units, give your answers in the units stated.

Do not write in this space

(10 marks) All diagrams in this paper are not drawn to scale unless stated otherwise.

 The bar graph shows the different number of pencils a shop sold over 5 days.



The day that had the most number of books sold was 96. Find the average number of books sold over 5 days.

Ans	•	

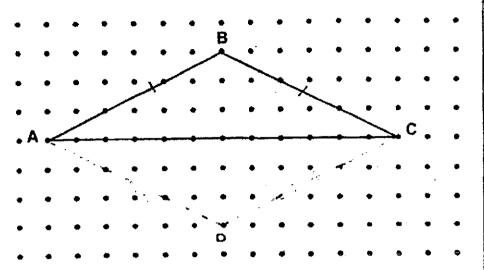
Mr Tan bought y boxes of apples. Each box contained 12 apples. He
threw away 5 rotten apples and repacked the remaining apples into bags
of 4. Find the number of bags that he used in terms of y.

	4	
Ans:	1	
™ 1-3 .	 1	

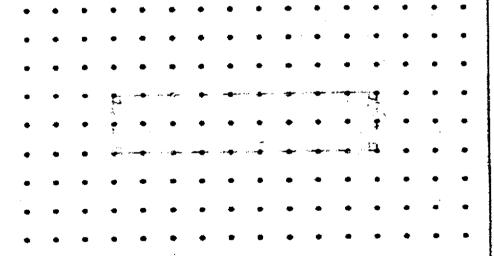
- The figure below shows an isosceles triangle, ABC drawn on a square grid.
   AB = BC.
  - (a) ABCD is a rhombus with twice the area of triangle ABC.

    On the grid below, draw and label rhombus ABCD by extending triangle ABC.

Do not write in this space



(b) A rectangle has the same area as triangle ABC. On the grid below, draw the rectangle.

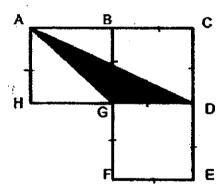


4. A group of 5 boys booked a badminton court for 2 hours and took turns to play. At any time, there were 4 boys playing badminton. On average, how long did each boy play? Give your answer in hours and minutes.

Do not write in this space

ns : \_\_\_\_\_ h \_\_\_ min

 ABGH and BCEF are rectangles. The area of triangle ADG is 32 cm<sup>2</sup> and BG = GD = GF. Find the area of rectangle BCEF.



s:\_\_\_\_\_om²

For Questions 6 to 17, 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.

(45 marks)

Do not write in this space

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

6. Four friends, Ahmad, Ben, Carol and Devi donated money for a charity. Ahmad and Ben donated a total of \$96. Together, Ben, Carol and Devi donated a total of \$132. The total amount of money donated by all 4 friends is 5 times the amount that Ben donated.

How much money did Carol and Devi donate in total?

Ans	:	[3]	L

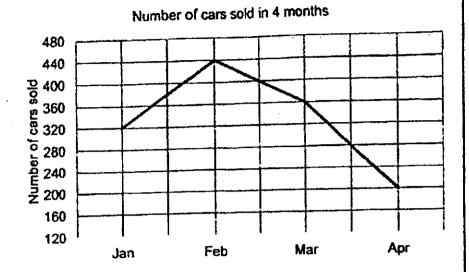
7. Ahmad is w years old this year. Jane is 3 times as old as Ahmad. Sarah is 5 years older than Jane. write in this a) What is their total age in 2 years' time? Express your answer in terms of w. space b) In 2 years' time, find their total age when w = 2.

> [2] [1]

Do not

8. The line graph shows the number of cars sold by a shop at the end of each month.

Do not write in this space



- (a) In which month was there the greatest decrease in the number of cars sold?
- (b) What is the percentage change in the number of cars sold in February compared to January?

Ans	:	a	 [1]		-
				ı	-

p)\_\_\_\_\_[2]

9. Ken used  $\frac{2}{5}$  of his blue ice-cream sticks to make a toy boat,  $\frac{3}{8}$  of his red ice-cream sticks to make a toy car and  $\frac{2}{3}$  of his green ice-cream sticks to make a toy plane. He used the same number of ice-cream sticks to make each of the toy models.

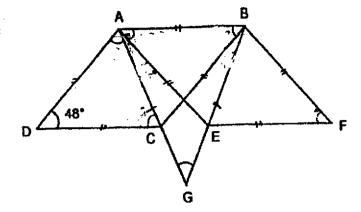
Do not write in this space

- (a) What fraction of all his ice-cream sticks did he use? Give your answer in the simplest form.
- (b) Ken had 1793 ice-cream sticks left, how many ice-cream sticks did he have in all?

Ans : a) [1]
--------------

 The figure below is made up of triangle ABG and two identical overlapping rhombuses, ABCD and ABFE. ∠ADC = 48\*. Find Do not write in this space

- (a) ∠CAE
- (b) ∠AGB



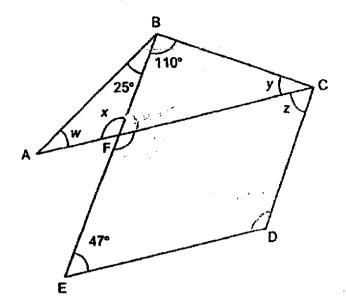
Ans : a) \_\_\_\_\_[2]

Do not In a library, if 14 girls leave the library, the ratio of the number of boys to the number of girls that remain in the library will be 2:1. If 14 boys 11. write in this leave the library, the ratio of the number of boys to the number of girls space that remain in the library will be 3:5. How many children were there in the library altogether?

[3]

12. CDEF is a parallelogram. BFE is a straight line. ∠ABF = 25°, ∠FBC = 110° and ∠DEF = 47°.

Do not write in this space



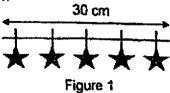
- (a) Find LEFC.
- (b) Find the sum of LW, LX, Ly and LZ.

Ans: a) \_\_\_\_\_[1]

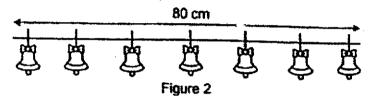
b) \_\_\_\_\_[3]

13. Last Christmas, a shopkeeper decorated his shop with stars and belis. He used two strings of the same length. He cut the first string into equal parts of length 40-cm. For each equal part, he tied 5 stars as shown in Figure 1.

Do not write in this space



Then he cut the second string into equal parts of 80 cm. For each equal part, he tied 7 bells as shown in Figure 2.



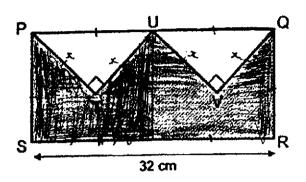
After the decorations are put up, he had 475 more stars than bells. How many stars did he use?

Ans:\_\_\_\_[4]

14. In the figure below, PQRS is a rectangle. PQ is twice the length of PS. PTU and UVQ are right-angled isosceles triangles. The perimeter of the shaded part is 112 cm.

What is the ratio of the area of the unshaded part to the area of the shaded part? Give your answer in the simplest form.

Do not write in this space



		Н	
ns ·	[4]	П	

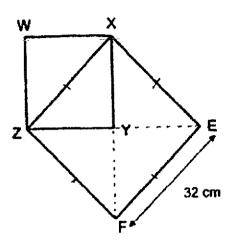
15. Candy had three times as many 20-cent coins as 10-cent coins and twice as many 20-cent coins as 50-cent coins at first. She exchanged  $\frac{1}{2}$  of her 20-cent coins for thirty 50-cent coins of the same value. Her parents then gave her another eighteen 20-cent coins.

Do not write in this space

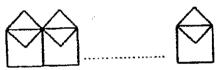
- (a) How many coins did she have in the end?
- (b) How much money did she have in the end?

Ans:a)	[3]	
b)	[2]	

 The pattern of a single fence wall WXEFZ is made using two squares XEFZ and WXYZ overlapping each other. Y is the center of the square XEFZ. Do not write in this space



- a) Find the ratio of the area of triangle XYZ to the area of the figure WXEFZ.
- b) James installed the fence wall along the perimeter of his rectangular garden. The cost of installing the fence wall is \$18 for every metre.



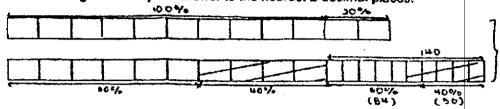
He paid \$4500 altogether. What is the total area of the entire fence wall used for his garden?

			4	r	4	1
Ans	•	aì		ŧ	ı	J
144	٠	~,		_		-

17. In Week 1 of a running camp, the number of girls was 140 fewer than the number of boys. In Week 2, the number of boys decreased by 40% and the numbers of girls increased by 20%. There were 1074 children in Week 2 of the camp.

Do not write in this space

- a) How many children were there in Week 1 of the running camp?
- b) What percentage of the children in Week 2 of the running camp were girls? Give your answer to the nearest 2 decimal places.



Ans: a) [3]

End of paper Have you checked your work?

### **ANSWER KEY**

YEAR

2021

LEVEL

**PRIMARY 6** 

SCHOOL

**ROSYTH** 

SUBJECT: MATHEMATICS

TERM

: DIAGNOSTIC ASSESSMENT (CA1)

## **BOOKLET A (PAPER 1)**

-04	1.								
Q1	3	Q2	2	Q3	4	04	1	05	2
Q6	1	Q7	4	Q8	4	Q9	1 2	010	3
Q11	3	Q12	3	Q13	1	Q14	2	<del>-                                      </del>	4
						C(14	/ Z	Q15	4

### **BOOKLET B (PAPER 1)**

Q16	5	1	017
QIU	24	Q17	$24 - \frac{8K}{2} = 24 - \frac{5x8}{2} = 24 - \frac{40}{2} = 24 - 20 = 4$
Q18	< x → 124° - 90° = 34°	Q19	Dan $\rightarrow$ 2x Ben $\rightarrow$ 2x x3 = 6x Jane $\rightarrow$ 6x - 4 Total $\rightarrow$ 2x + 6x + 6x - 4 = 14x-4
Q20	$< EAD \rightarrow 180 ^{\circ} - 45^{\circ} - 70^{\circ} = 65^{\circ}$ $< y \rightarrow 180^{\circ} - 65^{\circ} - 60^{\circ} = 55^{\circ}$	Q21	11 x 7 + 10 - 6 + (15÷3) =11 x 7 + 10 - 6 + 5 = 77 + 10 - 6 + 5 =87 - 6 + 5 =81 + 5 = 86
Q22	a) False b) True	Q23	Arc $\rightarrow \frac{1}{2} \times \frac{22}{7} \times 14 \times 2 = 44$ cm Peri $\rightarrow 44 + 14 + 14 = 72$ cm
Q24	8.4kg ≈9kg (roudup)  9kg = 5kg + (4x1kg)  First 5kg → \$25  4 x 1kg → 4 x \$3 =\$12  Total → \$25 + \$12 = \$37	Q25	$190g + \frac{1}{5}kg = 390g$ $390g \div 3 \times 4 = 520g$
Q26	a) (9-4)m b) 29-4=25 25 ÷ 5 = 5m	Q27	Shoes → 30% x \$500 = \$150  Remaining →\$500 - \$150 =\$350  Bag → 30% x \$350 = \$105  Total → \$105 + \$150 = \$255

Q28	Extra $\rightarrow$ 20 x \$9 = \$180 ? set $\rightarrow$ \$1230 - \$180 = \$1050 1 set $\rightarrow$ \$21 + \$9 = \$30 No. of sets $\rightarrow$ \$1050 $\div$ \$30 = 35	Q29	$\triangle$ ADE → $\frac{1}{2}$ x 5 x 8 = 20cm2 $\triangle$ CDE → $\frac{1}{2}$ x 4 x 5 = 10cm2 Shaded → 20 + 10 - 25 = 5 Unshaded → 25 - 5 = 20cm2
Q30	$<$ CDA $\rightarrow$ (180°-80°) x $\frac{1}{2}$ =500 $<$ X $\rightarrow$ $\frac{1}{2}$ x 50° = 25° $<$ y $\rightarrow$ 80° $<$ a $\rightarrow$ 180° - 80° - 25° = 75°		·

### PAPER 2

Q1	Avg $\rightarrow \frac{64+96+64+48+48}{5} = 64$	Q2	Good apples $\rightarrow$ (y x 12)-5 =(12y - 5) No of bags $\rightarrow \frac{12y-5}{4}$
Q3	a) b)  b)  2 x12x3 2 18 cm	Q4	Total boys $\rightarrow$ 2hr x 4 players = 8hrs Each boy $\rightarrow \frac{4}{5}$ x 8hrs =1hr 36min
Q5	BGCD → 32 x 2 = 64cm2 BCEF → 64 x 2 = 128cm2	Q6	A + B $\rightarrow$ \$96 B + C + D $\rightarrow$ \$132 ABCD : B 5 : 1 A + 2B + C + D $\rightarrow$ \$228 6u $\rightarrow$ \$228 1u $\rightarrow$ \$228 $\div$ 6 = \$8 C + D $\rightarrow$ \$132 - \$38 = \$94
Q7	a) Now  A → W  J → 3w  S → 3W + 5  Two years later  A → W + 2  J → 3W + 2  S → 3W + 7  Total → W + 3W + 3W + 2 + 2 + 7  = (7W + 11) yrs pld	Q8	a) April b) Diff $\rightarrow$ 440 - 320 = 120 % \( \gamma \tau \frac{120}{320} \text{ x 100%} \) = 37.5%

	b) If W = 21		
	7W + 11		
	= 7 x 2 + 11		·
	=25 yrs old		
Q9	a) $\frac{2}{5}B = \frac{3}{8}R = \frac{2}{3}G$	Q10	a) $< DAC \rightarrow \frac{180^{\circ}-48^{\circ}}{2} = 66^{\circ}$
	$\frac{\frac{6}{15}B}{\frac{6}{16}R} = \frac{\frac{6}{9}G}{\frac{6}{9}G}$		,
	20 2		< CAE → 180° - 66° -
	Total → 15 + 16 + 9		48° - 48° = 18°
	= 40 units		b) < AGB → 180° - (48 +
	Used → 3 x 6 = 18 units		18°) x 2 = 48°
	Fraction $\rightarrow \frac{18}{40} = \frac{9}{20}$		
	b) Left $\rightarrow 40 - 18 = 22$ units		
	22 units → 1793		
	40 units $\rightarrow$ 1793 $\times \frac{40}{22}$		
	= 3260		
Q11	7 units → 14		
\ \( \tau_{11} \)	24+7=31	Q12	a) $\langle EFC \rightarrow 180^{\circ} - 47^{\circ}$
			= 133°
	31 units $\rightarrow$ 14 x $\frac{31}{7}$ = 62		b) $\langle EDC \rightarrow 133^{\circ}$
			$< W+< X \rightarrow 180^{\circ} - 25^{\circ}$
		:	= 155°
			sum → 70° + 155°
Q13	First common multiple of 30 &	014	=225°
	80° → 240	Q14	2 unit → 32 cm
	Stars : 30cm - 5		1 unit → 16 cm
	240cm – 40		$4 \times \rightarrow (112 - 32 - 16 - 16) \div 4$ =12
	Beus : 80 cm - 7		
!	240cm – 21		Area of us $\rightarrow \frac{1}{2}$ x 12 x 12 x 2
ļ	Small diff → 40 - 21 = 19		=144
	Big diff → 475		Area of S $\rightarrow$ 16 x 32 - 144 = 368
	No of set → 475 ÷ 19		US:S
ļ	=25 set of 40 stars & 21 bells		144 : 368
	1 set of 240 → 40 stars		9 : 23
	25 sets of 240 $\rightarrow$ 40 x25 = 1000		
Q15	a) 30 - \$0.50 → 30 x \$0.50	Q16	a) XYZ: WXEFZ
	=\$15		1: 5
Į.	3u \$0.20 → \$15		b) \$4500 ÷ \$18 = 250m
f			
İ	1u \$0.20 $\rightarrow$ \$15 $\div$ 3 = \$5		=25000cm
	1u \$0.20 → \$15 $\div$ 3 = \$5 No of coins in 1u→		=25000cm Area of m 32 v 32
	· 1		Area of <b>■</b> → 32 x 32
	No of coins in 1u→		

	b) Cost of \$0.20 → 3 x 25 x	Whole area → 1024 +
	\$0.20 + 18 x \$0.20	256 = 1280
	=\$18.60	Pieces → 25000 ÷ 32
	Cost of \$0.10 → 2 x 25 x	=781.25
	\$0.10 = 5	781.25 x 1280
	Cost of \$0.50 → 3 x 25 x	=1000000cm2
1	\$0.50 + 30 x \$0.50	
	=\$52.50	
	Total → \$18.60 + \$5 +	
	\$52.30 = \$76.10	
7	a) 180% → 1074 – 84 = 990	
	$200\% \to 990 \times \frac{200}{180} = 1100$	
	Week 1 → 1100 + 140	
	=1240	
	b) Week 2(girls) $\rightarrow$ 990 x $\frac{120}{180}$	
	=660	1
]	Week 2 → 1074	
	Percentage $\rightarrow \frac{660}{1074} \times 100\%$	
ĺ	=61.4525%	
	≈ 61.45%	

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