

Rosyth School Term Assessment 2024 (Term 2) Mathematics Primary 6 Paper 1

Name:	Register No.
Class: Pr 6 -	
Date: 3 May 2024	Parent's Signature:
Total Time for Booklets A and B:	1 hour

BOOKLET A

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.

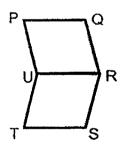
Section	Maximum Mark	Marks Obtained
Paper 1 (Booklet A)	20	

^{*} This booklet consists of 7 pages (including this cover page).

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. Round 132 658 to the nearest thousand.
 - (1) 132 000
 - (2) 132 600
 - (3) 132 700
 - (4) 133 000
- 2. What does the digit 9 in 5.492 stand for?
 - (1) 9 ones
 - (2) 9 tenths
 - (3) 9 hundredths
 - (4) 9 thousandths
- 3. In the figure below, PQRU and RSTU are rhombuses. Which of the following pairs of lines are parallel?



- (1) PQ and RS
- (2) PQ and TS
- (3) UT and PU
- (4) UT and UR

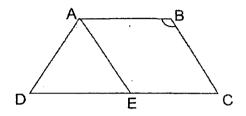
- 4. Mark and John collected some stickers. Mark collected $\frac{5}{8}$ of the total number of stickers. What is the ratio of Mark's stamps to John's stickers?
 - (1) 3:5
 - (2) 3:8
 - (3) 5:3
 - (4) 5:8
- 5. Sherry scored an average of 30 points for 5 basketball games. What is the total number of points that Sherry scored for the 5 basketball games?
 - (1) 6
 - (2) 25
 - (3) 35
 - (4) 150
- 6. The table below shows the number of pupils in four classes.

Class	Number of Boys	Number of Girls
6 A	15	25
6B	18	23
6C	22	17
6D	20	22

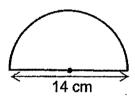
What is the total number of pupils in Class 6B?

- (1) 39
- (2) 40
- (3) 41
- (4) 42

- 7. What is the value of 0.63 x 200?
 - (1) 0.126
 - (2) 1.26
 - (3) 12.6
 - (4) 126
- 8. In the figure below, not drawn to scale, ABCD is a four-sided figure made up of a rhombus ABCE and an equilateral triangle AED. Find ∠ABC.



- (1) 60°
- (2) 90°
- (3) 120°
- (4) 150°
- 9. The figure below shows a semi-circle. Find the perimeter of the figure. (Take $\pi = \frac{22}{7}$)



- (1) 22 cm
- (2) 36 cm
- (3) 44 cm
- (4) 58 cm

10. Arrange these fractions from the smallest to the largest.

$$\frac{8}{5}$$
, $1\frac{3}{10}$, $\frac{7}{4}$

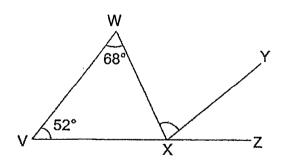
$$\begin{array}{ccc}
\underline{\text{Smallest}} & \underline{\text{Largest}} \\
(1) & \frac{7}{4}, & 1\frac{3}{10}, & \frac{8}{5}
\end{array}$$

(2)
$$1\frac{3}{10}$$
, $\frac{8}{5}$, $\frac{7}{4}$

(3)
$$\frac{8}{5}$$
, $\frac{7}{4}$, $1\frac{3}{10}$

(4)
$$\frac{7}{4}$$
, $\frac{8}{5}$, $1\frac{3}{10}$

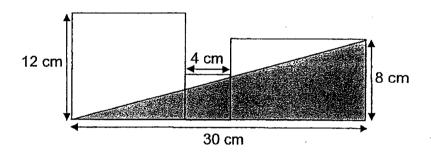
11. In the figure below, WXV is a triangle and VXZ is a straight line. ∠WXY is twice of ∠YXZ. Find ∠WXY.



- (1) 30°
- (2) 40°
- (3) 60°
- (4) 80°

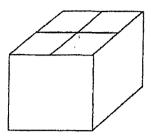
BP~273

- 12. Aisha baked an equal number of chocolate muffins and banana muffins. She gave Liling 28 chocolate muffins and 10 banana muffins. She gave the remaining muffins to Jane. Jane received 1 chocolate muffins for every 4 banana muffins. How many muffins did Aisha baked at first?
 - (1) 18
 - (2) 24
 - (3) 34
 - (4) 68
- 13. The figure below is made up of 2 squares, a rectangle and a triangle. Find the unshaded area of the figure.



- (1) 120 cm²
- (2) 152 cm²
- (3) 240 cm²
- (4) 272 cm²

14. The figure below shows a box which can contain exactly 8 identical cubes. The volume of all the cubes is 216 cm³. What is the length of a cube?



- (1) 6 cm
- (2) 9 cm
- (3) 3 cm
- (4) 27 cm
- 15. Samad bought some fruits. $\frac{3}{5}$ of the fruits he bought were apples and the rest were oranges. $\frac{1}{6}$ of the oranges and $\frac{1}{3}$ of the apples that he bought were rotten. 240 of the fruits were rotten. What is the total number of oranges that Samad bought?
 - (1) 60
 - (2) 144
 - (3) 360
 - (4) 900



Rosyth School Term Assessment 2024 (Term 2) Mathematics Primary 6 Paper 1

Name:	Register No.
Class: Pr 6	
Date: 3 May 2024	Parent's Signature:
Total Time for Booklets A and B:	1 hour

BOOKLET B

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. You are not allowed to use a calculator.

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

^{*} This booklet consists of 10 pages (including this cover page).

	tions 16 to 20 carry 1 mark each. Write your answers in the spaces provided. uestions which require units, give your answers in the units stated.	Do not write in this space
All di	agrams in this paper are not drawn to scale unless stated otherwise. (5 marks)	Section 2 to 1 4
16.	Find the value of 3j + 23 when j = 14.	
	Ans:	
17.	Name all the figures below with at least 1 line of symmetry.	
Fig	ure A Figure B Figure C Figure D Figure E	
(r wyjanji niji i i	Äns:	
18.	Find the value of $\frac{2}{5} \div 8$. Express your answer as a fraction in its simplest form.	
	Ans:	
9 14 	A Alexander Company of the Company o	1

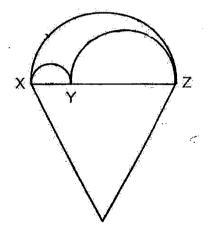
19.	In this month, Colin sold 200 more handphones than he sold the previous month. This was a 40% increase from the number of handphones he had sold the previous month. How many handphones did he sell this month?	Do not write in this space
	Ans:	
20.	Kelly faces the supermarket after turning 135° in an anti-clockwise direction.	
	Supermarket School	
	Clinic Kelly Bus Stop	
	Police Post Food Court Playground	
	Where was she facing at first?	

Questions 21 to 30 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.

Do not write in this space

AII	diagrams in	ı this paper	are no	t drawn	to scale	unless	stated	otherwise.
				•				(20 marks)

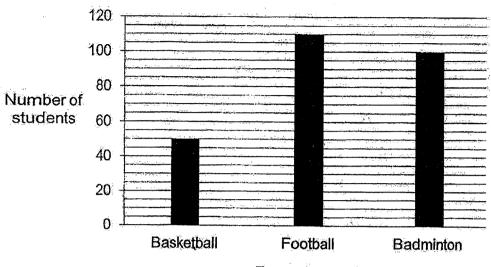
21. Kumar used some wires to make the following figure. The figure is made up of 3 semi-circle arcs and an equilateral triangle. Line XY is 10 cm and line YZ is 30 cm. Find the total length of the wires he used. (Take $\pi = 3.14$)



Ans:cm		

22. Students were asked to choose their favourite sport. The bar graph below shows the choices made by the students.

Do not write in this space



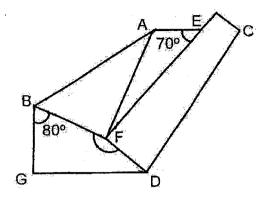
Favourite sport

What fraction of students chose Badminton as their favourite sport? Express the fraction in its simplest form.

Ans: _____

23. A rectangular piece of paper was folded along AB and CD to form the figure as shown below. \angle GBF = 80° and \angle AEF = 70°. Find \angle BFD.

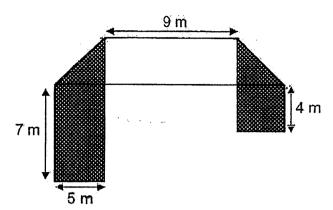
Do not write in this space



Ans:_____°

24. A rectangular cardboard, with patterns on one side, is folded to form the shape below. Find the area of the cardboard when unfolded.

Do not write in this space



Ans: m²

25. The ratio of the number of pens that David had to the number of pens that Paul had was 3:5. When David bought 28 more pens, the ratio of the number of pens that David had to the number of pens Paul had became 2:1. How many pens did Paul have?

Ans: _____

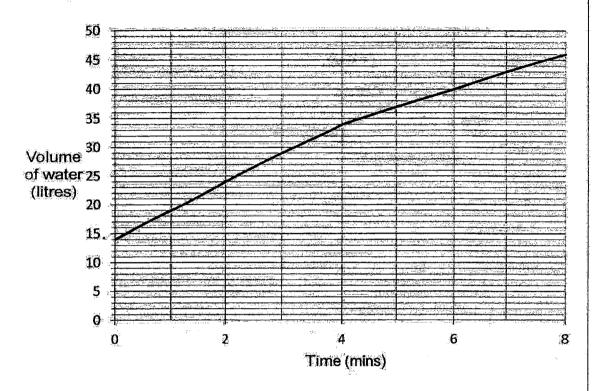
26.	The figure below shows a container that is $\frac{1}{3}$ filled with water. Another 42 litres of water will fill the container to the brim. What is the height of the container?	Do not write in this space
	20 cm	
		·
	Ans:cm	
27.	The are some beads in a box. The beads can be placed in bags of 6 and 8 with no beads leftover. When the beads are put into bags of 10, there will 2 beads leftover. What is the smallest number of beads in the box?	
		·
	Ans:	

28.	Kartini had a bottle of juice. She drank an equal amount of the juice each day. At the end of the 3 rd day, she had 1320 millilitres of the juice left. At the end of the 7 th day, she had half the bottle of juice left. How many litres of juice was there in the bottle at first?	Do not write in this space
	Ans:	
29.	Adam had \$48 more than David. When David gave Adam \$21, Adam had four times as much money as David. How much money did David have at first?	
	·	
	Ans: \$	

30. The tank contained some water at first. Tap A was turned on to fill the tank with water at a constant rate. After 4 minutes, Tap B was turned on to drain water out of the tank at a constant rate.

Do not write in this space

The graph below shows the volume of water in the tank during the 8-minute period.



Each of the statement is either true, false or not possible to tell from the information given. For each statement, put a tick $(\sqrt{\ })$ to indicate your answer.

Statement	True	False	Not possible to tell
Tap B drained water out of the tank at a rate of 2.5 litres/min.		en e trousere grander trette e e	
The capacity of the tank is 46 litres.	maden a Comment	Name to the second seco	

End of paper Have you checked your work?



Rosyth School Term Assessment 2024 (Term 2) Mathematics Primary 6 Paper 2

Name:	Register No.
Class: Pr-6-	
Date: 3 May 2024	Parent's Signature:
Time: 1 h 30 min	

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 1 to 5	10	
Q 6 to 17	45	4

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

^{*} This booklet consists of 16 pages (including this cover page)

(10 marks) All diagrams in this paper are not drawn to scale unless stated otherwise.		
Joe has two rectangular boxes of different sizes. The length, breadth and height of the larger box are twice those of the smaller box. He packed 48 identical cubes exactly into the smaller box. How many such cubes can be packed exactly into the larger box?		
Ans:		
The ratio of Amy's present age to Samantha's present age is 4:7. 10 years ago, the ratio of Amy's age to Samantha's age was 1:3. What is Samantha's present age?		
Ans:		

	Ans:	
•• •	muffins than Wendy in one day. Katelyn and Wendy can make a total of 128 muffins in one day. Find the value of n.	
4.	Wendy can make $(3n + 4)$ muffins in one day. Katelyn can make $4n$ more	
	Ans:mins	
	seconds, did Hassan take to complete the race?	

5. Jane parked her car at a car-park from 12.35 pm to 5.20 pm. The parking rates are shown in the table below. How much did she have to pay for parking?

Do not write in this space

First hour	<u>al El Andréis (1976) est est Hilliand (1976).</u> Angli Tanana (1976) est	5 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	\$4,60
Every 30 minu		I .	\$2.00

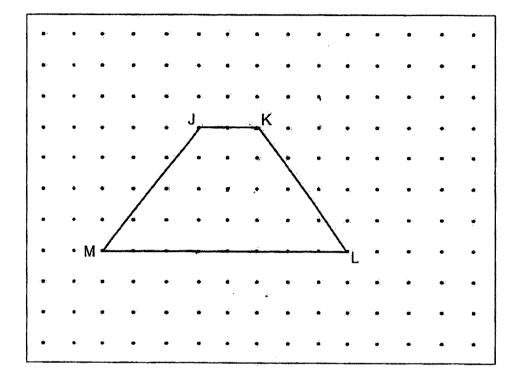
Ans: \$_____

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

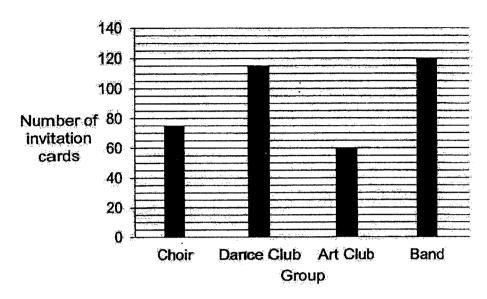
All diagrams in this paper are not drawn to scale unless stated otherwise.

6. A trapezium JKLM is drawn on a square grid inside a box.



By joining dots on the grid with straight lines, draw a triangle KLP such that its area is half the area of the trapezium JKLM. [3]

 Kovan Primary School is having a musical. Mrs Teo is in charge of printing invitation cards needed by each group for the musical. Do not write in this space



The table below shows the cost of printing invitation cards at a printing shop.

Printing Charges	
First 200 cards	\$2.00 each
Next 100 cards	\$1,50 each
Every additional card	\$0.60 each

How much did Mrs Teo have to pay for the total number of invitation cards printed for the four groups?

Ans: _____[3]

8.	The ratio of the number of adults to the number of children at a concert was 5:3. The price of one adult ticket was \$45 while the price of a child ticket was \$23. The total amount of money collected from the sale of tickets was \$5292. How many adults attended the concert?	Do not write in this space
the end	•••	
		To a proposal designation of the control of the con
		The second secon
		Politikaria da Janasa - Janasa
	Ans:[3]	
	7 (Go on to the next p	oage)

9.	Mr Samad spent $\frac{1}{6}$ of his money on 2 shirts and 3 jackets. Each jacket cost	Do not write in this space
	twice as much as each shirt. He then spent $\frac{2}{5}$ of his remaining money on a	
	wallet. He spent \$23.80 more on the wallet than on the 2 shirts. How much money did Mr Samad have at first?	
		:
	•	
e H		
	Ans:[3]	

8

(Go on to the next page)

10.		graph shows the April. The number			=	3
	Number of pens donated					
		Jan	Feb	Mar	Apr	
		at was the percer n January to Febr		in the numbe	er of pens donate	ed
				Ans:		_[1]
		e average numbe ril was 45. How m				y to
				Ans:		_[2]
 	name e e e e e		9		(Go on to the	next page)

Do not write ABCD is a square and PQSD is a parallelogram. RSC and SDC are in this space 11. isosceles triangles. RS = RC and SC = SD. \(\times \text{SRC} = 82^{\circ}. \) Q 82° (a) Find ∠QSD. Ans: (a)_____ [2] (b) Find ∠AQP. Ans: (a)_____

10

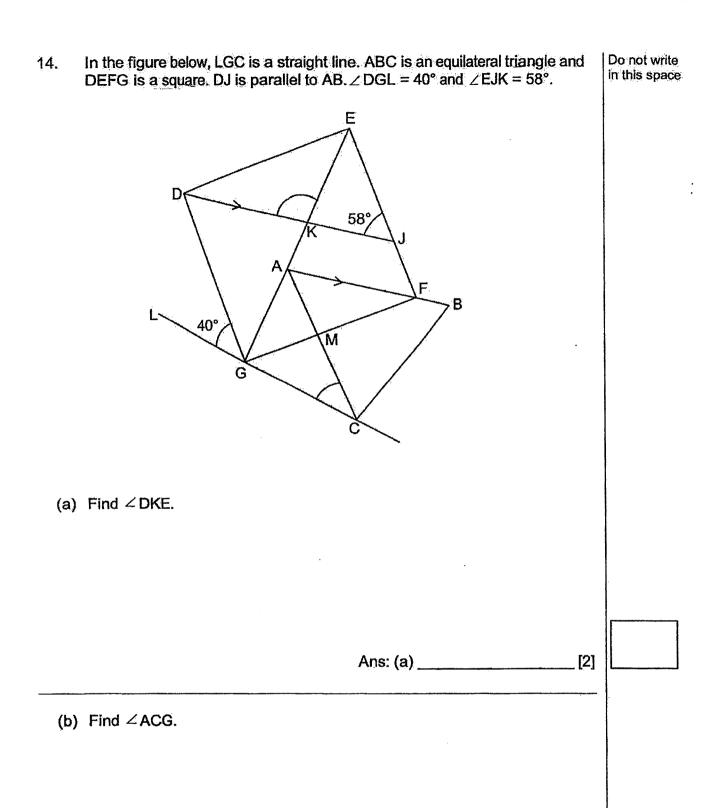
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12.	Rianne had some beads. She gave $\frac{2}{9}$ of her beads to her mother. Her sister
	then took $\frac{1}{5}$ of her remaining beads and an additional 22 beads. Rianne
	was then left with 34 beads. How many beads did Rianne have at first?

Do not write in this space

Ans: _____[4]

Ans: (b)	[2]
	-
	4
(b) How many cm ³ of water was flowing out of Tap A in a minute?	
Ans: (a)	[2]
	: - -
(a) What was the/side of the cubical tank?	
Tay begin to the second of the	
Tap C	
poured to fill 180 bottles of 150 cm ³ each completely. In the end, there 5.768 litres of water left in the tank. Tap	: was



Ans: (b) [2]

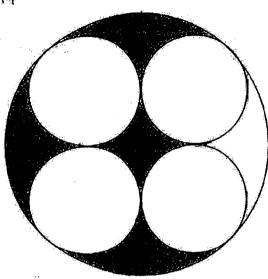
15.	Matthew had \$72 more than Control of the Control of	ayden. Mattl le end, Cayo d Matthew h	new spent 90% len has twice a nave at first?	6 of his money ar as much money a	Do not write in this space
					v t
	Σ.		Ans:		[4]
217.73 4		14		(Go on to the n	

The pattern	below is made up	of shaded and un	shaded squares.	D) in		
Figure 1	1	Figure 2	Figure 3			
	elow shows the number of squares for Shaded Squares		Total Number of Squares	quares		
1	1	3	4			
2	2	5	7			
3	3	7	10			
4.	4	9	13			
* 4 >	-648	***	· e4			
10	10	(a)	(a)	[1]		
 (a) Complete the table by indicating the number of unshaded squares and total number of squares for Figure 10. (b) Find the total number of squares in Figure 22. 						
, man		Ans: (b)		[2]		
(c) What	Figure Number h	as 79 unshaded s	quares?			
		Ans: (c)		[2]		

17. The figure is made up of 4 identical circles of diameter 30 cm inside a larger circle with a diameter of 72 cm. Find the total area of all the shaded parts.

Do not write in this space

(Take $\pi = \frac{22}{4}$)



Ans:	[5]

End of paper Have you checked your work?

SCHOOL: ROSYTH SCHOOL

LEVEL: PRIMARY 6

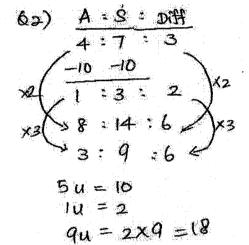
SUBJECT: MATH

TERM : 2024 WA2

Q 1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
4	3	2	3	4	3	4	3	2	2
Q 11	Q12	Q13	Q14	Q15				1	-t
4	4	2	3	3					

16)	65
17)	A,B,D
18)	$\frac{1}{20}$
19)	700
20)	Bus Stop
21)	3.14 x 40 x ½ =3.14 x 2 = 62.8 62.8 x 2 + 40 x 3 = 125.6 + 120 = 245.6cm
22)	Total $\rightarrow 50 \times 110 + 100$ = 160 + 100 = 260 Fraction $\rightarrow \frac{100}{200} = \frac{5}{13}$
23)	170°
24)	150m2
25)	20
26)	63cm
27)	72
28)	1.68
29)	\$51
30)	False Not possible to tell

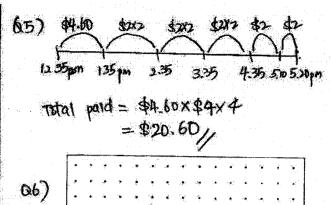
Rosyth Primary School 2024 Math Term 2 Paper 2

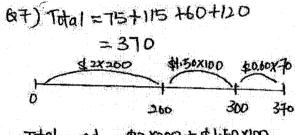


Now -> 18+10 = 28/

 $H \rightarrow 115 - 10 = 105$ 10.5 = 1 min 45 = 1

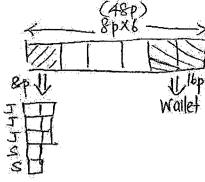
(4)
$$W = \frac{3n+4}{3n+4} = \frac{3n+4}{4n}$$
 $W+K = \frac{3n+4}{4n} + \frac{3n+4+4n}{4n}$
 $= 10n+8$
 $= 128 = 10n + 8$
 $= 120 = 10n$
 $= 12 = 12$





Total paid = \$2,000+\$1.50,000 +\$0.60,000 =\$400+\$150+\$42 =\$592/

Q8)
$$\frac{A \cdot C}{5 \cdot 3}$$
 Gost: $\frac{A \cdot C}{5 \cdot 3}$ \$45:\$23
 $5 \times 445 = 225
 $3 \times 523 = 69
I group $(5A+3C) = $225+$69$
 $= 294
No. of groups $\rightarrow $5292 \rightarrow 294
 $= 18$
Total No. of adults = $18 \times 5 = 90$



$$16p - 2p = $23.80$$

 $14p = 23.80
 $1p = 1.70
 $48p = $1.70 \times 48 = 81.60

$$O(10)$$
 (a) Jan = 8u

Feb = 12u

Increase $\rightarrow 12u - 8u = 4u$
% increase $\rightarrow \frac{12u}{8u} \times \frac{100}{100} = 50\%$

(b) Ave =
$$45$$

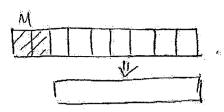
Total = $45\times4 = 180$
Total unit Jan to Apr
= $8u + 12u + 22u + 18u$
= $60u$
 $60u = 180$
 $1u = 3$
 $18u = 3\times18 = 54$

$$(a)$$
 $\angle RCS = \frac{180^{\circ} - 82^{\circ}}{2} = 49^{\circ}$
 $\angle SCD = 90^{\circ} - 49^{\circ} = 41^{\circ}$
 $\angle SDC = 41^{\circ}$
 $\angle PDS = 90^{\circ} - 41^{\circ} = 49^{\circ}$
 $\angle 6SD = 180^{\circ} - 49^{\circ}$
 $= 131^{\circ}$

(b)
$$\angle APQ = 131^{\circ}$$

 $\angle APQ = 180^{\circ} - 131^{\circ}$
 $= 49^{\circ}$
 $\angle AQP = 180^{\circ} - 90^{\circ} - 49^{\circ}$
 $= 41^{\circ}$

012)



$$\frac{2}{9} = \frac{10}{45}$$

Remainder = $1 - \frac{10}{45} = \frac{35}{45}$

Sis $\rightarrow \frac{1}{5} \times \frac{37}{45} = \frac{7}{45}$

M+S = $10p + 7p + 22$ beads
= $17p + 22$ beads

left = $45p - 17p - 22$ beads
 34 beads = $18p - 22$ beads
 $18p = (34 + 22)$ beads
= 56 beads
$$1p = 56 + 28 = 2$$

$$45p = 2x + 45 = 90$$

(b) 40 min =
$$32768$$
 cm³ (140) 200 cm³ (150) 200 cm³ (1

Pg 2 1

Q14) (a)
$$\angle DEG = 45^{\circ}$$

 $\angle EKJ = 180^{\circ} - 45^{\circ} - 58^{\circ}$
 $= 77^{\circ}$
 $\angle DKE = 180^{\circ} - 77^{\circ}$
 $= 103^{\circ}$

(b)
$$\angle AFJ = 58^{\circ}$$

 $\angle KAF = 77^{\circ}$
 $\angle BAC = 60^{\circ} (equilateral \triangle)$
 $\angle CAF = 180^{\circ} - 40^{\circ} - 90^{\circ}$
 $= 50^{\circ}$
 $\angle CAG = 180^{\circ} - 77^{\circ} - 60^{\circ}$
 $= 43^{\circ}$
 $\angle ACG = 180^{\circ} - 43^{\circ} - 50^{\circ}$
 $= 87^{\circ}$

Q15) M
$$10\%$$
 90% $$72 \times 90\% = 64.80 (spent)
C 60% 140% $$72$ $$472 \times 10\% = 7.20 (left)

M 10% 5% 47.20
C 10% 5% 47.20
\$7.20

$$|u| = 50\% - $7.20$$

$$|u| = 10\% + $7.20$$

$$|v| = 10\% + $7$$

Q16 a)21,31
b)shaded --- 22
unshaded --- 22+22+1 = 45
total --- 22 + 45 = 76
c)39

