RED SWASTIKA SCHOOL

RED SWASTIKA SCHOOL

2025 END OF YEAR EXAMINATION

MATHEMATICS
PAPER 1

Name : _____ ( )

Class : Primary 5 / _____ (Teacher: _____)

Date : 28 October 2025

BOOKLET A

18 Questions
26 Marks
Duration of Paper 1 (Booklets A & B): 1 hour 10 minutes

Note:

1. Do not open this Booklet until you are told to do so.
2. Read carefully the instructions given at the beginning of each part of the Booklet.
3. Do not waste time. If a question is difficult for you, go on to the next one.
4. Check your answers thoroughly and make sure you attempt every question.
5. In this booklet, you should have the following:
   (a) Page 1 to Page 7
   (b) Questions 1 to 18
6. You are not allowed to use a calculator.

Questions 1 to 10 carry 1 mark each. Questions 11 to 18 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 correct oval (1, 2, 3 or 4) on the Optical Answer Sheet. (26 marks)

---

1 What is the value of the digit 5 in 50 246?

(1) 50

(2) 500

(3) 5000

(4) 50 000

2 Round off 45 678 to the nearest hundred.

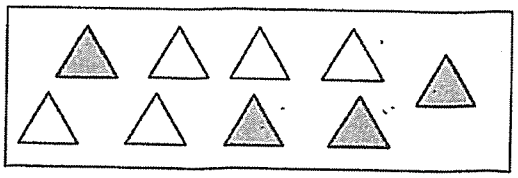
(1) 45 600

(2) 45 680

(3) 45 700

(4) 46 000

3 What fraction of the triangles are shaded?



(1) $\frac{4}{9}$

(2) $\frac{5}{9}$

(3) $\frac{1}{2}$

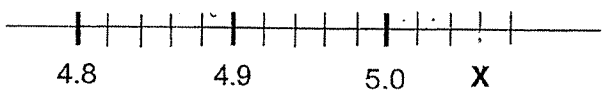
(4) $\frac{4}{5}$

4 What is the missing number in the box?

$$\frac{9}{12} = \frac{3}{\boxed{?}}$$

(1) 9
(2) 6
(3) 3
(4) 4

5 In the scale below, what is the value of X?

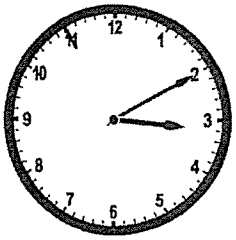


(1) 5.3
(2) 5.6
(3) 5.03
(4) 5.06

6 Charlynn received $300 as a book prize. She gave $60 to her mother. What percentage of the prize money did Charlynn give to her mother?

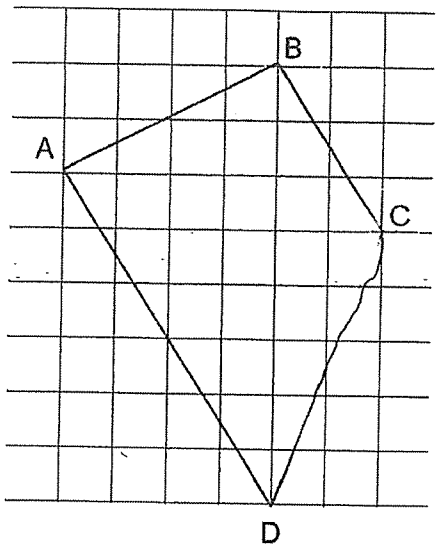
(1) 20%
(2) 25%
(3) 60%
(4) 80%

7 What is 15 minutes before the time shown on the clock?



(1) 15 25
(2) 14 55
(3) 14 30
(4) 14 00

8 Which pair of lines are parallel?



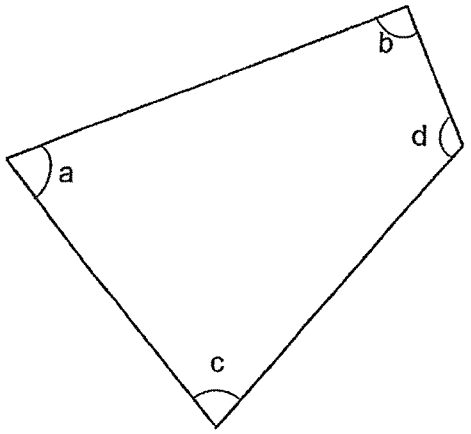
(1) AB and BC

(2) AB and AD

(3) AB and DC

(4) AD and BC

9 Which angle is a right angle?



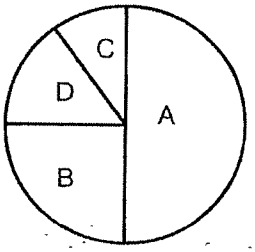
(1) ∠a

(2) ∠b

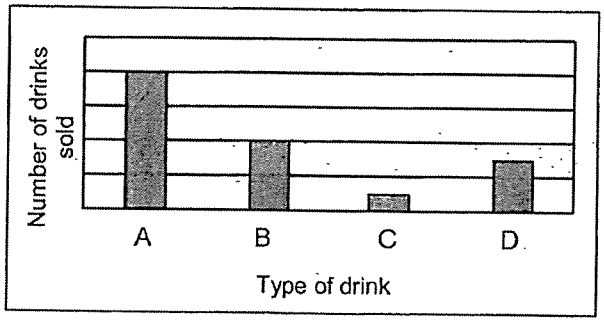
(3) ∠c

(4) ∠d

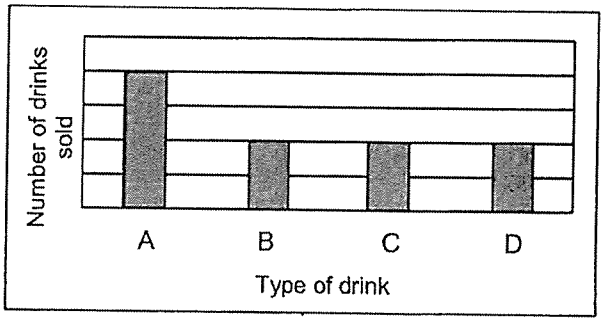
10 The pie chart shows the number of four types of drinks, A, B, C and D sold in the school canteen. Which bar graph best represents the information in the pie chart?



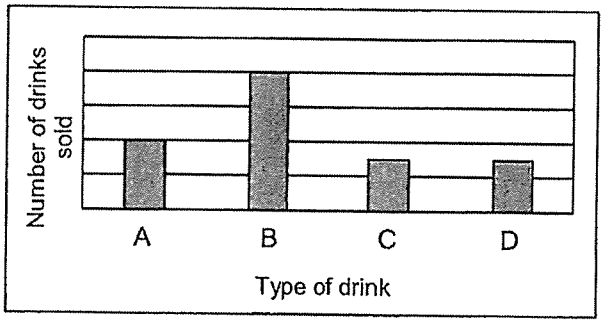
(1)



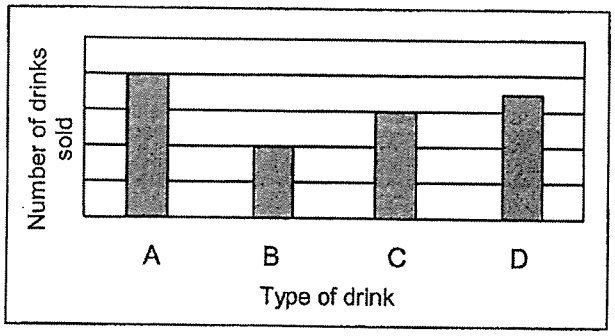
(2)



(3)



(4)



11 What is the missing number in the number pattern below?

172, 146, 120, 94, ___, 42

(1) 26

(2) 52

(3) 68

(4) 88

12 Arrange the following fractions from the greatest to the smallest.

$1\frac{1}{9}, \frac{11}{7}, \frac{8}{7}$

	Greatest		Smallest
(1)	$1\frac{1}{9}$,	$\frac{8}{7}$,	$\frac{11}{7}$
(2)	$\frac{11}{7}$,	$1\frac{1}{9}$,	$\frac{8}{7}$
(3)	$\frac{8}{7}$,	$1\frac{1}{9}$,	$\frac{11}{7}$
(4)	$\frac{11}{7}$,	$\frac{8}{7}$,	$1\frac{1}{9}$

13 A baker baked 35.5 kg of bread in the morning and 42.75 kg in the afternoon. How many kilograms of bread did the baker bake in total?

(1) 77.25 kg

(2) 78.25 kg

(3) 79.25 kg

(4) 80.25 kg

14 The price of a shelf was $240. Mrs Lee bought it at a discount of 15%. How much did she pay for the shelf after the discount?

(1) $276

(2) $225

(3) $204

(4) $36

15 Ahmad folds 10 paper cranes in 5 minutes. At this rate, how many paper cranes can he fold in 30 minutes?

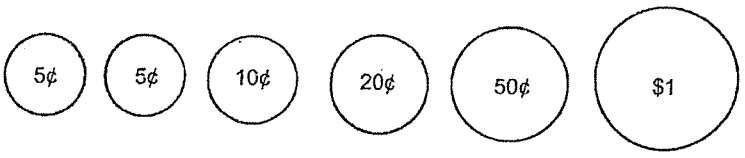
(1) 15

(2) 50

(3) 60

(4) 300

16 Sofia had 6 coins in her purse as shown below. She took out only 4 coins to pay for the exact amount for a bun. Which of the following amounts is **not** a possible cost for the bun?



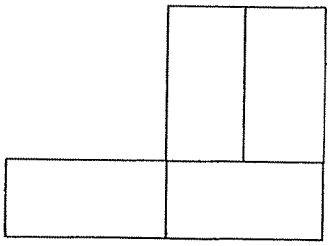
(1) $1.80

(2) $1.65

(3) $1.40

(4) $1.35

17 The figure below is made up of 4 identical small rectangles with a total area of 128 cm^2. Find the perimeter of the figure.



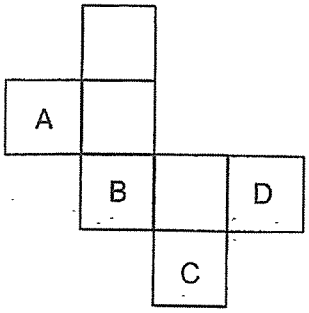
(1) 32 cm

(2) 48 cm

(3) 56 cm

(4) 88 cm

18 Which of the faces, A, B C or D should be removed to make the figure the correct net of a cube?



(1) A

(2) B

(3) C

(4) D

RED SWASTIKA SCHOOL

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2025 END OF YEAR EXAMINATION

MATHEMATICS
PAPER 1

Name : _____ ( )

Class : Primary 5 / _____ (Teacher: _____)

Date : 28 October 2025

BOOKLET B

12 Questions
24 Marks

In this booklet, you should have the following:
(a) Page 8 to Page 14
(b) Questions 19 to 30

MARKS

	OBTAINED	POSSIBLE
BOOKLET A		26
BOOKLET B		24
TOTAL		50

Parent's Signature : _____

Questions 19 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. (24 marks)

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19 (a) Write twenty thousand and twelve in numerals.

Ans: (a) _____

(b) What is the value of $30 - (4 + 14) \div 3 \times 2$?

Ans: (b) _____

---

20 Express $2\frac{3}{4}$ as a decimal.

Ans: _____

---

21 5 kg of sugar are packed equally into 8 bags. How many kilograms of sugar are there in each bag? Express your answer as a decimal correct to 2 decimal places.

Ans: _____ kg

6

22 Mrs. Kumar deposits $45 000 in a bank account that paid 4% interest annually. How much interest would she have earned at the end of the year?

Ans: $_____

---

23 (a) How many minutes are there in 7 hours?

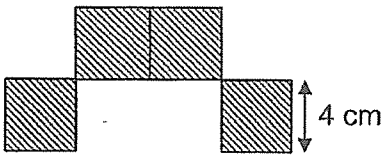
Ans: (a) _____ min

(b) A photocopier machine prints 162 pages in 6 minutes. At this rate, how many pages does the machine print in 15 minutes?

Ans: (b) _____

4

24 The figure below is made up of 4 identical shaded squares. The side of each square is 4 cm. What is the perimeter of the shaded figure?



Ans: _____ cm

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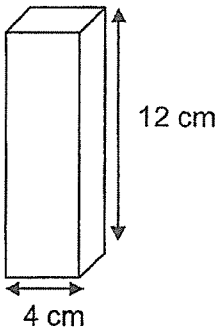
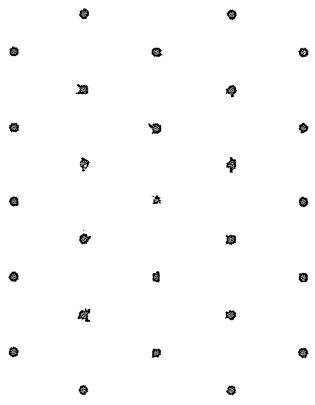
25 (a) A cuboid of height 12 cm has a square base of side 4 cm. What is its volume?



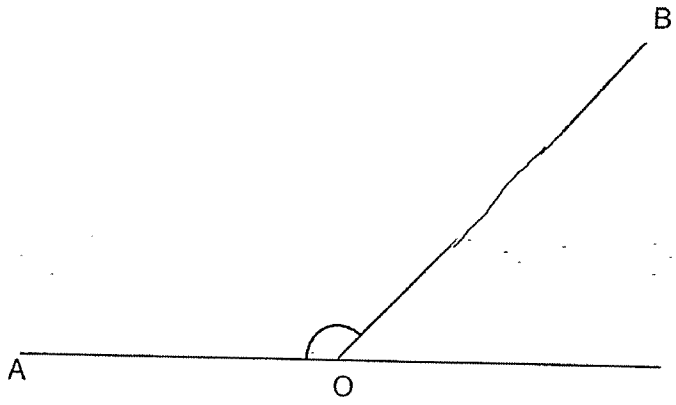
Ans: (a) _____ cm^3

(b) Draw a solid made up of 3 unit cubes on the given isometric grid.



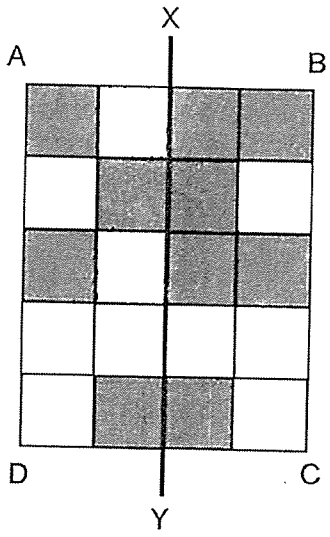
4

26 (a) What is the size of ∠AOB?



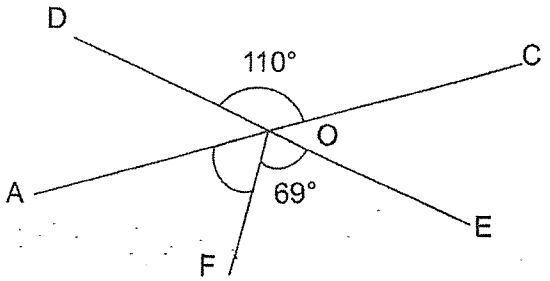
Ans: (a) _____ °

(b) The figure ABCD below is made up of small squares. 10 of the small squares are shaded. Shade another 2 small squares so that the figure ABCD is symmetrical along the line XY.



2

27 In the figure, AOC and DOE are straight lines. Find ∠DOF.



Ans: _____ °

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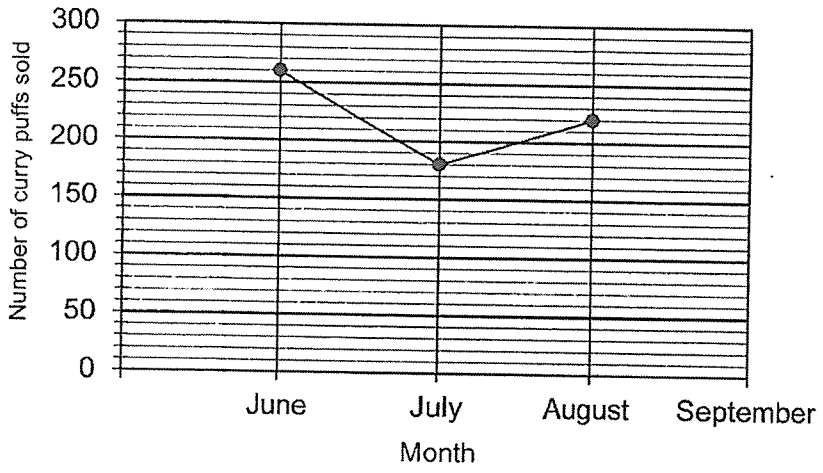
28 The line graph below shows the number of curry puffs sold from June to September. The information for the month of September is not shown.

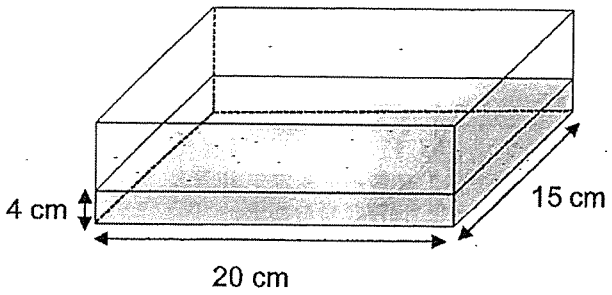


$\frac{1}{4}$ of the curry puffs sold in the four months was sold in September. Find the number of curry puffs sold in September.

Ans: _____

4

29 Aloysius had a rectangular tank 20 cm long and 15 cm wide. It was $\frac{1}{4}$ filled with water. The height of the water level in the tank was 4 cm.



(a) How much more water was needed to fill the tank completely? Give your answer in ℓ and ml.

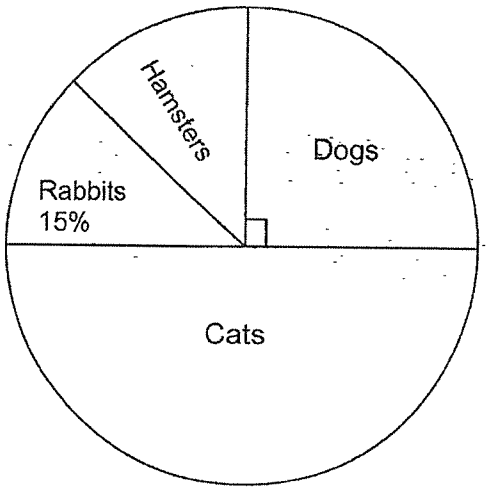
Ans: (a) _____ ℓ _____ ml

(b) Jeremy filled the tank to the brim. He used all the water to fill some bottles without spilling. The capacity of each bottle was 200 ml. What was the least number of such bottles needed to hold all the water?

Ans: (b) _____

2

30 The pie chart shows the different animals adopted by an animal shelter. The number of cats adopted by the animal shelter is half the total number of animals adopted.



(a) What fraction of the animals adopted are hamsters?

Ans: (a) _____

(b) A total number of 84 cats and hamsters are adopted. How many animals were adopted altogether?

Ans: (b) _____

END OF PAPER

2

卍慈学校

恭宽信敏

RED SWASTIKA SCHOOL

RED SWASTIKA SCHOOL

2025 END OF YEAR EXAMINATION

MATHEMATICS
PAPER 2

Name : _____ ( )

Class : Primary 5 / _____ (Teacher: _____)

Date : 28 October 2025

15 Questions
50 Marks
Duration of Paper 2: 1 hour 20 minutes

Note:
1. Do not open this Booklet until you are told to do so.
2. Read carefully the instructions given at the beginning of each part of the Booklet.
3. Do not waste time. If a question is difficult for you, go on to the next one.
4. Check your answers thoroughly and make sure you attempt every question.
5. In this paper, you should have the following:
   (a) Page 1 to Page 14
   (b) Questions 1 to 15
6. You are allowed to use a calculator.

MARKS

	OBTAINED	POSSIBLE
PAPER 1		50
PAPER 2		50
TOTAL		100

Parent's Signature : _____

Questions 1 to 5 carry 2 marks each. Show your workings clearly in the space below each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(10 marks)

---

1 Miss Koh has some stickers in three different colours, red, blue and yellow. $\frac{1}{5}$ of the stickers are red. The number of blue stickers is twice the number of yellow stickers.

(a) What fraction of her stickers are blue and yellow?

Ans: (a) _____

(b) What fraction of her stickers are yellow?

Ans: (b) _____

---

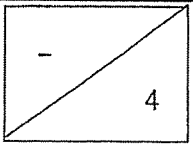
2 Tomatoes were sold at \$2.75 per 100 g at a supermarket. Jean bought 1.6 kg of tomatoes.

(a) Express the amount of tomatoes Jean bought in gram.

Ans: (a) _____ g

(b) How much did she pay for the tomatoes?

Ans: (b) \$ _____



3 The results for Leni and Adil's results in a recent test are shown below. Part of the table is covered by ink blots.

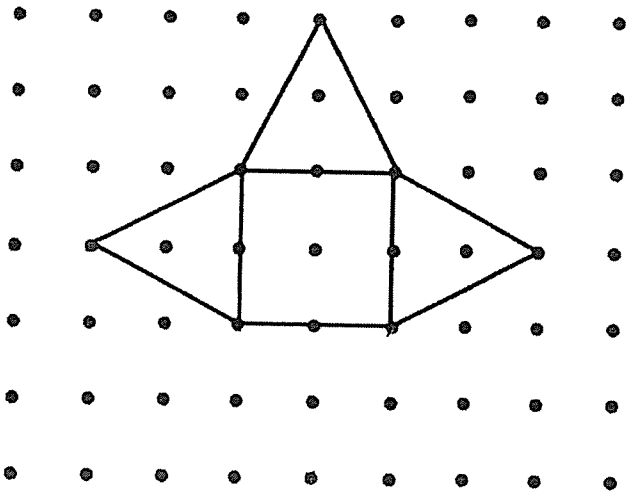
Subjects	Leni	Adil	Total
English	65	74	139
Math	8	9	150

Find the total marks scored by Leni for English and Math.

Ans: _____

---

4 The figure below shows an incomplete net of a solid.



(a) Complete the net above.

(b) What could be the solid of the correct net?

Ans: (b) _____

4

5 Mother bought 48 apples and 60 oranges. She wanted to pack them into as many bags as possible. Each bag contained the same number of fruits and the number of oranges in each bag was the same. How many oranges were there in each bag?

Ans: _____

2

For Questions 6 to 15, show your workings clearly in the space below 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. (40 marks)

---

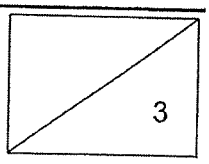
6 Mr Lim receives a monthly salary. He spends 55% of his monthly salary and saves the rest. He saves $2700 every month.

(a) What percentage of his salary did Mr Lim save every month?

Ans: (a)_____ % [1]

(b) How much is his monthly salary?

Ans: (b) $ _____ [2]



7 The table below shows the parking charges at a car park.

Parking Charges	
For the 1st hour	\$2.10
For every additional $\frac{1}{2}$ h or part thereof	\$0.80

Mr Singh paid \$4.50 for his parking charges. What was the longest possible duration he could have parked his car?

Ans: _____ min [3]

3

8 Ken wanted to buy 6 pens but he was short of $3.20. Instead, he bought 2 pens and had $10.80 left. How much did Ken have?

Ans: $ _____ [3]

3

9 A baker bought 160 kg of flour and packed it into 30 bags of equal mass.

(a) What was the mass of flour in each bag?

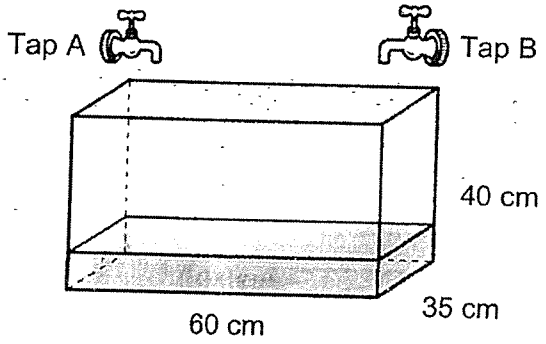
Ans: (a) _____ kg [1]

(b) On Day 1, the baker used one bag of flour. On the next few days, he used one bag more than what he had used on the previous day. How much flour did the baker use from Day 1 to Day 5?

Ans: (b) _____ kg [3]

4

10 A rectangular tank measures 60 cm by 35 cm by 40 cm was filled with 6 ℓ of water. Tap A filled the tank at 4 ℓ per minute and Tap B filled the tank at 1.5 ℓ per minute. Tap A was turned on first. Tap B was turned on 3 minutes later. The taps were turned off at the same time when the tank was completely filled without overflowing.



(a) How much more water is needed to fill the tank completely?

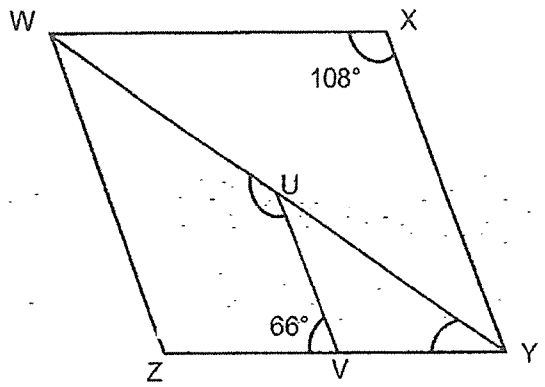
Ans: (a) _____ ℓ [1]

(b) How long did it take for the tank to be completely filled?

Ans: (b) _____ min [3]

4

11 WXYZ is a rhombus. WUY is a straight line.



(a) Find ∠UYV.

Ans: (a)_____ ° [1]

(b) Find ∠WUV.

Ans: (a)_____ ° [2]

(c) Circle the words that describe WUVZ in the statement.

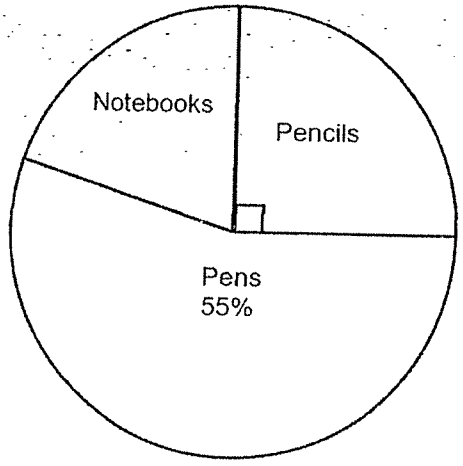
Since WZ (**is** / **is not**) parallel to UV, WUVZ is a (**parallelogram** / **trapezium**).

[1]

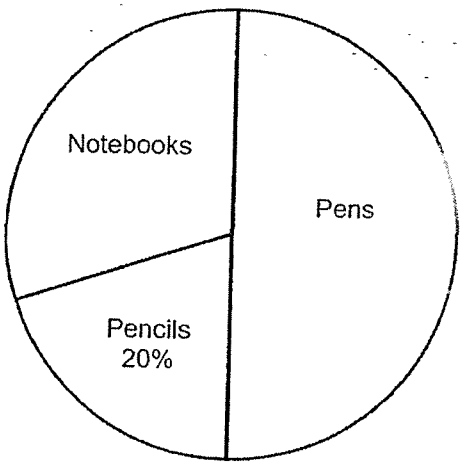
4

12 The pie charts show the number of stationery sold in two bookshops, A and B. The total number of stationery sold in bookshop A is twice the total number of stationery sold in bookshop B. The number of pens sold in bookshop B is half the total number of stationery sold in bookshop B.

Bookshop A



Bookshop B



Each statement below is either true, false or not possible to tell from the information given in the pie charts.
For each statement, put a tick (✓) to indicate your answer.

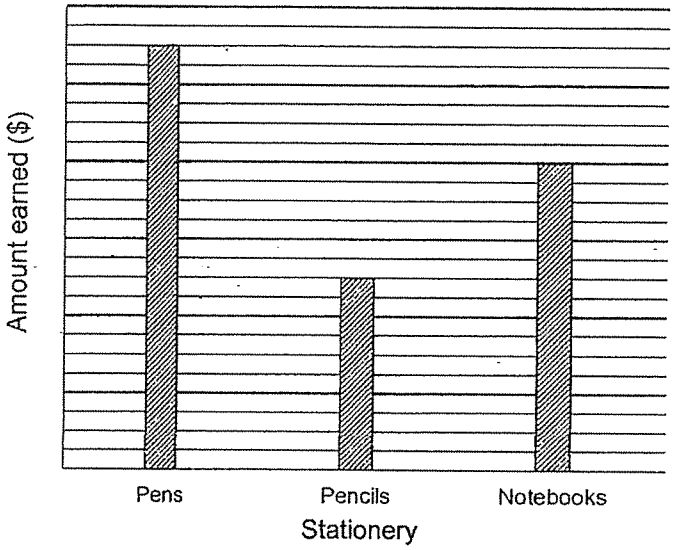
(a)

Statement	True	False	Not possible to tell
The number of notebooks sold in bookshop A is the same as the number of pencils sold in bookshop B.			
More notebooks were sold in bookshop A than bookshop B.			

[1]

1

12 The bar graph shows the amount earned by the shopkeeper of bookshop A.



(b) Given that shopkeeper A earned a total of $240 from the sale of the notebooks and the selling price of each notebook is $4, how many pens did shopkeeper A sell?

Ans: (b) _____ [1]

(c) How much was the cost of a pen sold in bookshop A?

Ans: (c) $ _____ [2]

3

13 Some children were at game stations A and B at a funfair. At first the number of children at game station A was $\frac{1}{3}$ the number of children at game station B. After $\frac{1}{4}$ of the children at game station A and $\frac{5}{8}$ of the children in game station B left in the afternoon, 105 children remained at the funfair.

(a) What fraction of the total number of children in both game stations left the funfair?

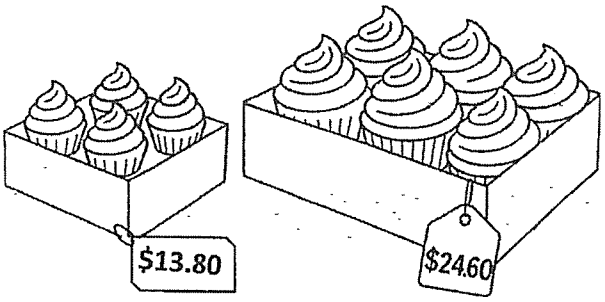
Ans: (a) _____ [3]

(b) How many children were at the funfair at first?

Ans: (b) _____ [2]

5

14 Cupcakes are sold only in boxes of 4 and 6 in a shop. A box of 4 small cupcakes costs $13.80 and a box of 6 big cupcakes costs $24.60.



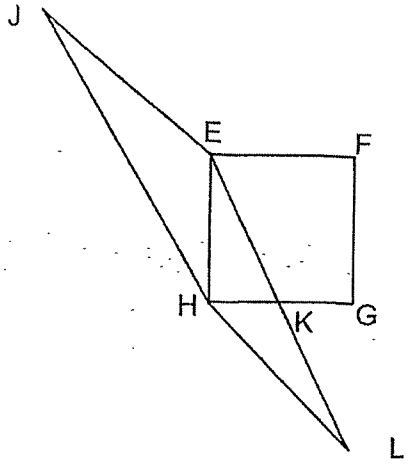
(a) Meg wants to get an equal number of small and big cupcakes for a party with $200. What is the most number of cupcakes she can get?

Ans: (a) _____ [2]

(b) Peili bought 10 more small cupcakes than big cupcakes from the shop. The total number of cupcakes she bought was more than 30 but fewer than 50. How much did Peili spend on the cupcakes altogether?

Ans: (b) $ _____ [3]

15 The figure below is made up of a square EFGH of area 169 cm² and two identical triangles JEH and ELH. HK = KG and EK = KL.



(a) Find the area of triangle JEH.

Ans: (a)_____ cm² [2]

(b) Find the area of the figure.

Ans: (b)_____ cm² [3]

End of Paper

SCHOOL : RED SWASTIKA SCHOOL
LEVEL : PRIMARY 5
SUBJECT : MATHEMATICS
TERM : 2025 END OF YEAR EXAMINATION

Paper 1 (Booklet A)

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
4	3	1	4	4	1	2	4	2	1
Q11	Q12	Q13	Q14	Q15	Q16	Q17	Q18		
3	4	2	3	3	3	3	4		

Paper 1 (Booklet B)

Q19a) 20012

b) $30 - (4 + 14) \div 3 \times 2$
$= 30 - 18 \div 3 \times 2$
$= 30 - 6 \times 2$
$= 30 - 12$
$= 18$

Ans (b): 18

Q20) $2\frac{3}{4} = 2\frac{75}{100}$
$= 2.75$

Ans: 2.75

Q21) $5 \div 8 = 0.625$

Ans: 0.635 kg

Q22) 100% = 45 000
1% = 45 000 ÷ 100
= 450
4% = 4 × 450
= 1800

Ans: $1 800

Q23a) 1 h = 60 min
7h = 7 × 60
= 420

Ans (a): 420 min

Q23b) 6 min = 162 pages
1min = 162 ÷ 6
= 27
15 min = 15 × 27
= 405

Ans(b): 405 pages

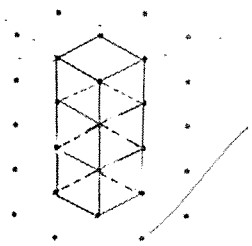
Q24) 4 × 14 = 56

Ans: 56 cm

Q25a) Volume = 4 × 4 × 12
= 192

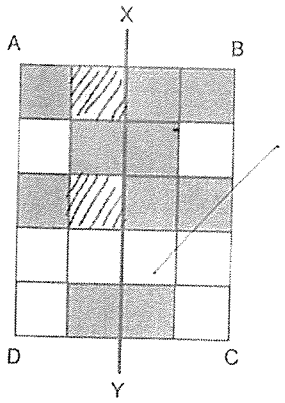
Ans: 192 cm^3

Q26b)



Q26a) 133°

Q26b)



Q27) ∠DOF = 180° - 69°
= 111° (sum of ∠on a str line)

Ans : 111°

Q28) $\frac{3}{4}$ *of curry puff* = 260 + 180 + 220
= 660
$\frac{1}{4}$ *of curry puff* = 660 ÷ 3
= 220

Ans: 220 curry puffs

Q29a) Height of water = 3 × 4
= 12

Volume of water needed to fill the tank = 20 × 15 × 12
= 3600

3600 mℓ = 3 ℓ 600mℓ Ans(a): 3 ℓ 600 mℓ

b) Height of tank = 4 × 4
= 16

Volume of water in the tank = 20 × 15 × 16
= 4800

4800 ÷ 200 = 24 Ans(b): 24 bottles

30a) 100% - 15% - 25% - 50% = 10%
$\frac{10}{100} = \frac{1}{10}$ Ans a): $\frac{1}{10}$

b) 50% + 10% = 60%
60% = 84
1% = 84 ÷ 60
= 1.4
100% = 1.4 × 100
= 140 Ans (b): 140 animals

Paper 2

Q1a) $Red = \frac{1}{5}$
$Blue + Yellow = 1 - \frac{1}{5}$
$= \frac{4}{5}$ Ans(a): $\frac{4}{5}$

b)

B	:	Y	:	Total
2	:	1	:	3
× 4		x4		× 4
8	:	4	:	12

$Red = \frac{1}{5}$
$= \frac{3}{15}$ Yellow = $\frac{4}{15}$ Ans (b) : $\frac{4}{15}$

Q2a) 1 .6 kg = 1.6 × 1000
= 1600

Ans (a): 1600 g

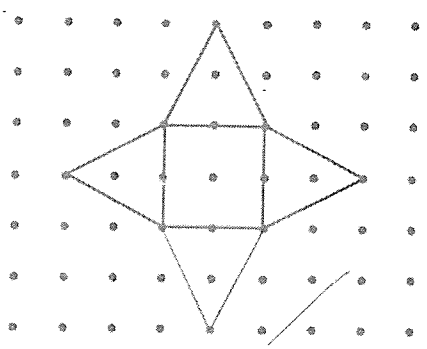
b) 100 g = $2.75
1600 ÷ 100 = 16
2.75 × 16 = 44

Ans (b): $44

Q3) 81 + 69 = 150
65 + 81 = 146

Ans: 146 marks

Q4a)



b) Pyramid

Q5)

48	60
1 × 48	1 × 60
2 × 24	2 × 30
3 × 16	3 × 20
4 × **12**	4 × 15
6 × 8	5 × **12**
	6 × 10

48 ÷ 12 = 4 (apples)
60 ÷ 12 = 5 (oranges)

Ans: 5 oranges

Q6a) 100% -55% = 45%

Ans (a); 45%

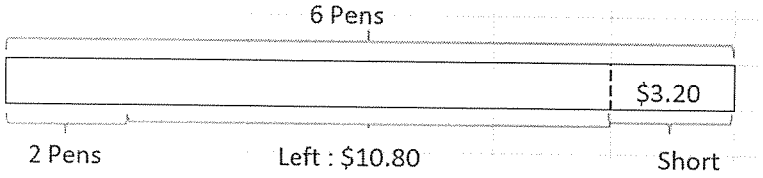
b) 45% = 2700
1% = 2700 ÷ 45
= 60
100% = 60 × 100
= 6000

Ans (b): $6000

Q7) First hour = $2.10
$4.50 - $2.10 = $2.40
$2.40 ÷ $0.80 = 3
3 × 30 + 60 = 90 + 60
= 150

Ans: 150 min

Q8)



4 pens = 10.80 + 3.20
= 14.00
1 pen = 14 ÷ 4
= 3.50
2 pens = 3.50 × 2
= 7
7 + 10.80 = 17.80

Ans: $17.80

Q9a) $160 \div 30 = \frac{160}{30}$
$= 5\frac{1}{3}$

Ans (a): $5\frac{1}{3}\ kg$

b) Day 1 to Day 5
1 + 2 + 3 + 4 + 5 + 15
$15 \times 5\frac{1}{3} = 15 \times \frac{16}{3}$
= 80

Ans (b): 80 kg

Q10a) Volume of tank = 60 × 35 × 40
= 84 000
6 ℓ = 6000 mℓ
84 000 – 6000 = 78 000
78 000 ÷ 1000 = 78

Ans (a): 78 ℓ

b) Tap A first 3 min = 4000 × 3
= 12 000
A + B (1 min) = 1500 + 4000
= 5500
78 000 – 12 000 = 66 000
66 000 ÷ 5500 = 12
12 + 3 = 15

Ans (b): 15 min

Q11a) $\angle UYV = (180° - 108°) \div 2$
$= 72° \div 2$
$= 36°$ (isos triangle)

Ans (a): 36°

b) $\angle YWZ = 180° - 108° - 36°$
$= 36°$
$\angle WUV = 360° - 108° - 66° - 36°$
$= 150°$

Ans(b): 150°

c) Since WZ (is / **is not**) parallel to UV, WUVZ is a trapezium

Q12a) Not possible to tell
True

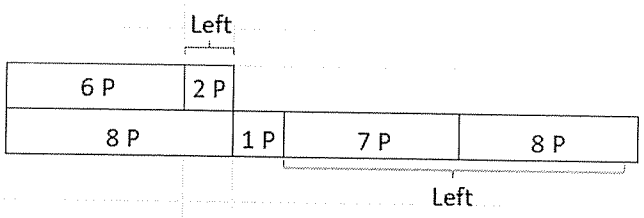
b) $240 \div 4 = 60$
$75 - 55 = 20$
$60 \div 4 = 15$
$15 \times 11 = 165$

Ans(b): 165 pens

c) $240 \div 16 = 15$
$15 \times 22 = 330$
$330 \div 165 = 2$

Ans (c): $2

Q13a)



Left = 2 Parts + 15 Parts
= 17 parts
Fraction = $\frac{17}{32}$

Ans (a) : $\frac{17}{32}$

b) 6 parts + 9 parts = 15 parts
15 parts = 105
1 part = $105 \div 15$
$= 7$
32 parts = 32×7
$= 224$

Ans (b) : 224

Q14a) 13.80 + 24.60 = 38.40
200 ÷ 38.40 = 5R$8
5 × 4 = 20
5 × 6 = 30
20 +30 = 50

Ans (a) : 50 cupcakes

b)

4: 4, 8, 12
6: 6, 12

Every 12 cupcakes = 13.80 × 3
= 41.40
Every 12 cupcakes = 24.60 × 2
= 49.20

49.20 + 41.40 = 90.60
12 × 2 = 24
24 × 2 = 48

Ans (a) : 48 cupcakes

b) 30 ÷ 6 = 5
5 × 24.60 = 123
40 ÷ 4 = 10
10 × 13.80 = 138
138 + 123 = 261

Ans (b): $261

Q15a) 42.5 × 2 = 84.5

Ans (a) : 84.5cm²

b) 169 ÷ 4 = 42.25
84.5 × 2 = 169
169 -42.25 = 126.75
126.75 + 169 = 295.75

Ans (b): 295.75 cm²