Anglo-Chinese School
(Primary)
A Methodist Institution
(Founded 1886)

2024 P5 END-OF-YEAR EXAMINATION
MATHEMATICS
PAPER 1 (BOOKLET A)
PRIMARY FIVE

Name: _____ ( ) Class: Primary 5 ____

Date: 22 OCTOBER 2024 Duration of Booklets A & B: 1 hour

INSTRUCTIONS TO CANDIDATES

1. This question paper consists of **8** printed pages, including the cover page.
2. Do not turn this page until you are told to do so.
3. Follow all instructions carefully.
4. Shade your answers on the Optical Answer Sheet (OAS) provided.
5. You are not allowed to use a calculator.

Questions **1** to **10** carry 1 mark each. Question **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) and shade your answer on the Optical Answer Sheet

(20 marks)

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1. Which one of the following is forty-eight thousand and five in numerals?

   (1) 485

   (2) 48 005

   (3) 48 050

   (4) 48 500

2. Andy won $500 at story-writing competition. He gave $150 to his father.
   What percentage of his prize money did Andy give to his father?

   (1) 3%

   (2) 30%

   (3) 70%

   (4) 150%

3. Which of the following is equal to $2\frac{2}{9}$?

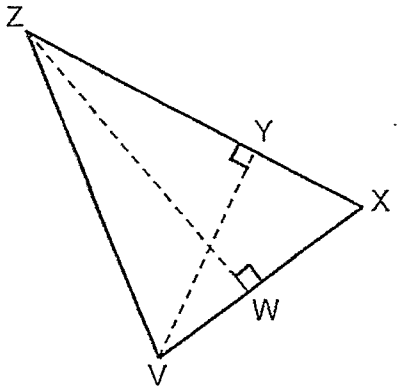
   (1) $\frac{4}{9}$

   (2) $\frac{13}{9}$

   (3) $\frac{20}{9}$

   (4) $\frac{22}{9}$

4. Given that ZW is the height of triangle VZX. Identify base that is related to the height ZW.



(1) VX

(2) VY

(3) ZX

(4) ZV

5. 30 000 + 800 + 50 ÷ 4 = ?

(1) 3 854

(2) 30 854

(3) 38 054

(4) 38 540

6. Jules worked $5\frac{3}{4}$ h each day. Verne worked twice the number of hours that Jules worked each day. How many hours did Vern work each day?

(1) $6\frac{1}{2}$ h

(2) $7\frac{5}{6}$ h

(3) $10\frac{6}{8}$ h

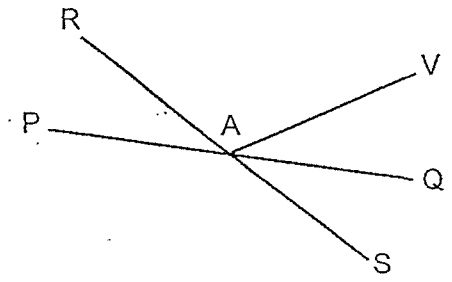
(4) $11\frac{1}{2}$ h

7. Arrange the following decimals from greatest to the smallest:

0.303, 0.33, 0.033

	Greatest		Smallest
(1)	0.033,	0.33,	0.303
(2)	0.303,	0.33,	0.033
(3)	0.33,	0.033,	0.303
(4)	0.33,	0.303,	0.033

8. In the figure below, PQ and RS are straight lines.
Which of the following is true?



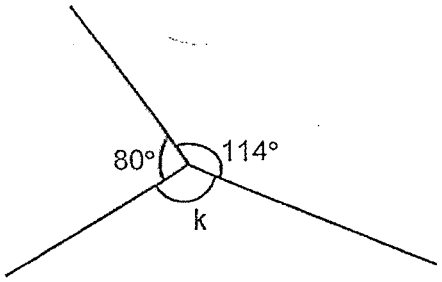
(1) $\angle RAV = \angle PAS$

(2) $\angle RAP = \angle VAQ$

(3) $\angle RAV + \angle VAQ = 180°$

(4) $\angle PAS + \angle SAQ = 180°$

9. Find $\angle k$ in the figure shown below.



(1) 34°

(2) 66°

(3) 100°

(4) 166°

10. In a class, there are 18 girls and 12 boys. What is the ratio of the number of boys to girls? Give your answer in its simplest form.

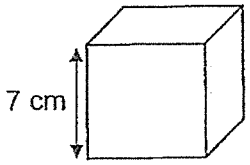
(1) 2 : 1

(2) 2 : 3

(3) 2 : 5

(4) 3 : 5

11. What is the volume of the cube shown below?



(1) 21 cm^3

(2) 49 cm^3

(3) 294 cm^3

(4) 343 cm^3

12. A recipe requires 12 bananas to bake 4 loaves of banana bread. If Mrs Tan wants to bake 24 loaves, how many bananas will she need?

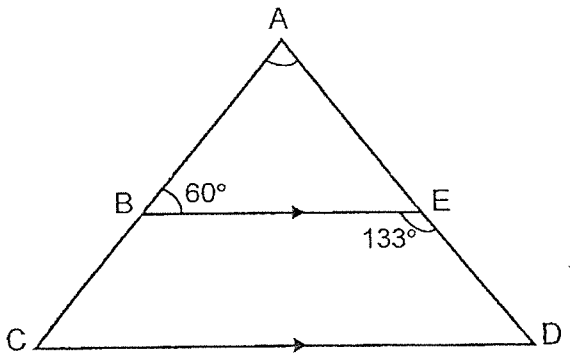
(1) 8

(2) 16

(3) 32

(4) 72

13. In the figure below, not drawn to scale, BE and CD are straight lines.
Find ∠CAD.



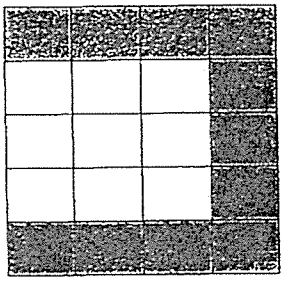
(1) 60°

(2) 73°

(3) 107°

(4) 133°

14. The figure below is divided into 20 equal parts.
What percentage of the figure is unshaded?



(1) 9%

(2) 11%

(3) 45%

(4) 55%

15. Find the sum of $10 + 12 + 14 + ... + 20 + 22 + 24$.

(1) 102

(2) 126

(3) 136

(4) 204

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2024 P5 END-OF-YEAR EXAMINATION
MATHEMATICS
PAPER 1 (BOOKLET B)
PRIMARY FIVE

Name: _____ ( ) Class: Primary 5 ___

Date: 22 OCTOBER 2024 Duration of Paper Booklets A & B: 1 hour

_____
Parent's/Guardian's signature

INSTRUCTIONS TO CANDIDATES

1. This question paper consists of 10 printed pages, including the cover page.
2. Do not turn this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Use a dark blue or black ballpoint pen to write your answers in the space provided for each question.
6. Do not use correction fluid/tape or highlighters.
7. You are not allowed to use a calculator.

Section	Maximum Marks	Marks Obtained
Paper 1 Booklet A. Multiple-Choice Questions	20	
Paper 1 Booklet B. Short Answers: Part 1	5	
Paper 1 Booklet B. Short Answers: Part 2	20	
Total Marks	45	

Questions **16** to **20** carry 1 mark each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (5 marks)

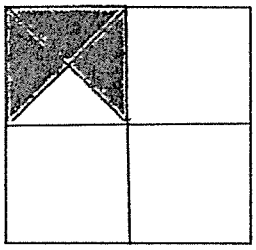
16. What is the value of $30 - (5 + 4) \div 3$?

Answer: _____

17. Find the value of $20.12 - 8.09$

Answer: _____

18. The figure below is made up of 4 identical squares. One square is divided equally into 4 triangles. What fraction of the figure is unshaded?
Give your answer in its simplest form.



Answer: _____

19. Andy folds 6 paper cranes in 10 min. At this rate, how many paper cranes can Andy fold in 50 min?

Answer: _____

20. Find the value of $7402 \div 4$.

Answer: _____

Questions **21** to **30** carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (20 marks)

21. A machine takes 3 minutes to print 8 posters. At the same rate, how long will it take to print 56 posters?

Answer: _____ min

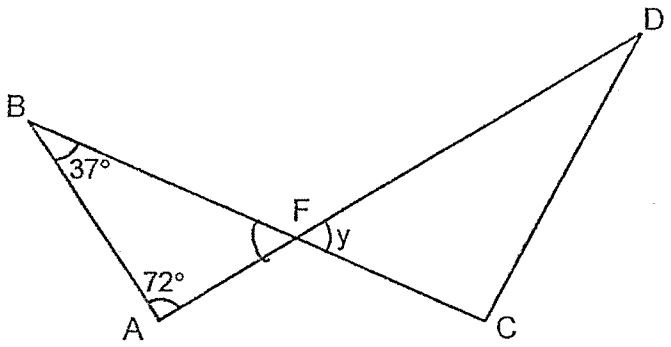
22. Mr Tan gave $60 to Steve and Andy in the ratio 2 : 3. How much did Andy get?

Answer: $ _____

23. Siti, Betty and Matilda each has some stamps. Siti has twice as many stamps as Betty. Siti has 4 times as many stamps as Matilda.
If Betty has 908 stamps, how many more stamps does Siti have than Matilda?

Answer: _____

24. In the figure below, AFD and BFC are straight lines. ∠ABC = 37° and ∠BAF = 72°. Find ∠y.



Answer: _____ °

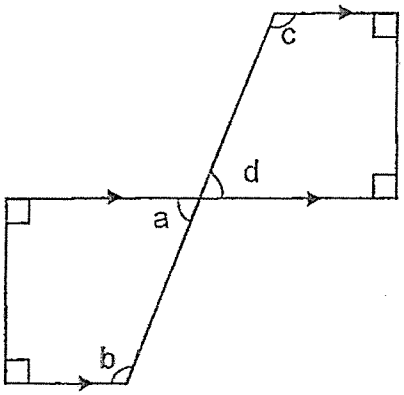
25. Chun Ming and Naomi had $13 and $45 respectively. They were given an equal amount of money. Naomi had twice as much money as Chun Ming in the end. How much money did each of them receive?

Answer: $ _____

26. The average of a set of two numbers is 12.6. The average of another set of two numbers is 19.9. What is the average of all the four numbers?

Answer: _____

27. The figure below is made up of 2 identical trapezium.
What is the value of $\angle a + \angle b + \angle c + \angle d$?

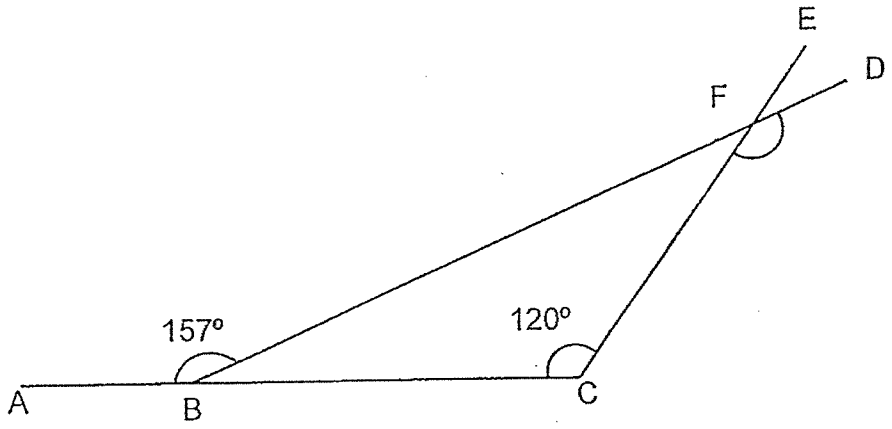


Answer: _____ °

28. Danny is 11 years old now. Eric is thrice as old as Danny. What was the ratio of Danny's age to Eric's age three years ago? Give your answer in its simplest form.

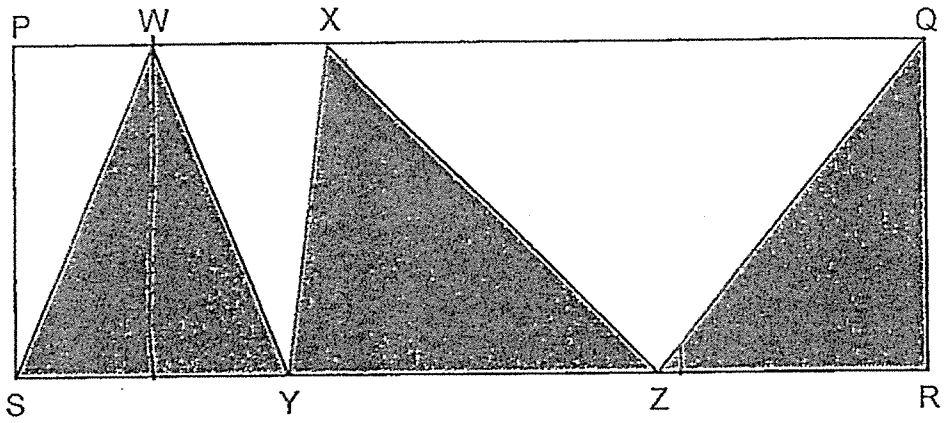
Answer: _____

29. In the figure below, ABC, CFE and BFD are straight lines.
$\angle ABF = 157°$ and $\angle BCE = 120°$. Find $\angle CFD$.



Answer: _____ °

30. In the figure below, PQRS is a rectangle. The area of rectangle PQRS is 392 cm^2. W and X are points on PQ and Y and Z are points on RS.
Find the total area of the shaded parts.



Answer: _____ cm^2

- END OF PAPER -

Anglo-Chinese School
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2024 P5 END-OF-YEAR EXAMINATION
MATHEMATICS
PAPER 2
PRIMARY FIVE

Name: _____ ( ) Class: Primary 5 ___

Date: 22 October 2024 Duration of Paper 2: 1 hour 30 minutes

_____
Parent's/Guardian's signature

INSTRUCTIONS TO CANDIDATES

1. This question paper consists of **14** printed pages, including the cover page.
2. Do not turn this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Use a dark blue or black ballpoint pen to write your answers in the space provided for each question.
6. Do not use correction fluid/tape or highlighters.
7. You are allowed to use a calculator.

Section	Maximum Marks	Marks Obtained
Paper 2 Section A. Short Answers	10	
Paper 2 Section B. Problem Sums	45	
Total Marks	55	

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

1. 8000 ml of water was poured into 5 containers equally.

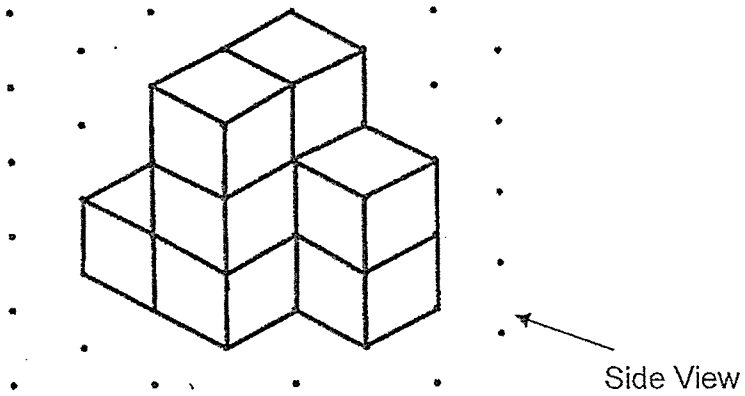
   How many litres of water were there in one container?

Answer: _____ ℓ

2. A six-sided die has a number from 1 to 6 on each side. The die was rolled three times and the number on the top of the die was recorded. The product of the three numbers was 96. What were the three numbers recorded?

Answer: _____ , _____ , _____

3. Draw the side view of the solid on the square grid below.



4. The table shows the parking charges at a car park.

Time	Parking Charges
6 a.m. – 12 p.m.	$0.60 per 30 minutes or part thereof
12 p.m. – 2 p.m.	$1.20 per 30 minutes or part thereof
2 p.m. – 6 p.m.	$0.60 per 30 minutes or part thereof
6 p.m. – 6 a.m.	$8 per entry

Mr Ho parked his car from 11 a.m. to 2.15 p.m. How much did he pay for the parking?

Answer: $ _____

5. Ali had some money at first. He gave $\frac{2}{7}$ of his money to his mother and $\frac{1}{5}$ of the remainder to his sister. He had $216 left.

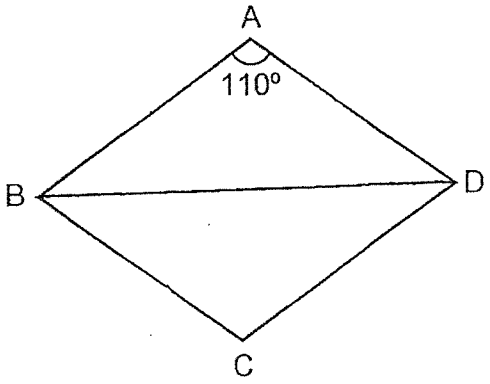
How much money did he have at first?

Answer: $ _____

For questions **6** to **17**, show your steps 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.
The number of marks available is shown in brackets [ ] at the end of each question or part-question. (45 marks)

6. In the figure below, ABCD is a rhombus. $\angle BAD = 110^\circ$.

Find $\angle BDC$.



Answer: _____ [3]

7. Leon worked $6\frac{1}{5}$ h daily from Monday to Friday.

He worked $4\frac{2}{3}$ h on Saturday. He did not work on Sunday.

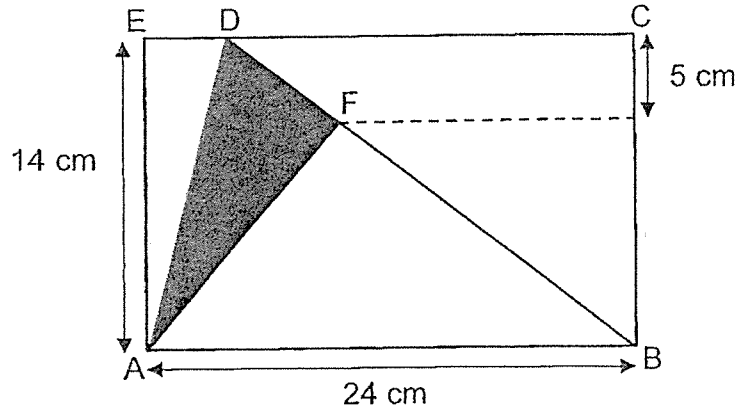
How many weeks must he work to have worked 535 hours?

Answer: _____ [3]

8. Tiffany and Leila had the same amount of money at first. Tiffany spent all her money to buy 1 dress and 6 identical skirts. Leila bought 1 such dress and a blouse and had $72 left. The blouse cost $8 more than the skirt. What was the cost of the blouse?

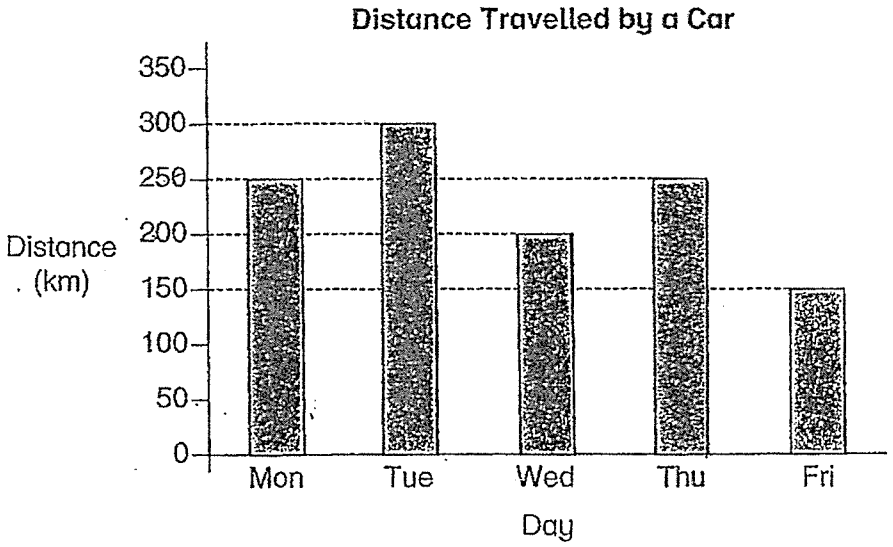
Answer: _____ [3]

9. A triangle is drawn in rectangle ABCE as shown below.
Find the area of triangle ADF.



Answer: _____ [3]

10. The bar graph shows the distance travelled by a car from Monday to Friday.



(a) Which day did the car travel the furthest?

Answer: (a) _____ [1]

(b) If the average distance travelled by the car on Saturday and Sunday is 290 km, what is the average distance travelled by the car from Monday to Sunday? Correct your answer to the nearest tenth.

Answer: (b) _____ [2]

11. Mrs Tan wanted to fill up her car with $60 worth of petrol.
Petrol Kiosk A was offering a 12% discount, while Petrol Kiosk B was offering a cash discount of $2 on top of a 10% discount.

(a) Find the difference in the discounts offered by the 2 petrol kiosks.

Answer: (a) _____ [3]

(b) Mrs Tan decided to fill up her car at Petrol Kiosk B. How much did Mrs Tan pay inclusive of 9% GST?

Answer: (b) _____ [1]

12. Mrs Teo baked a total of 612 chocolate and strawberry cupcakes at first. She sold half of the chocolate cupcakes and baked another 48 strawberry cupcakes. In the end, she had an equal number of chocolate and strawberry cupcakes.

(a) How many strawberry cupcakes did she have in the end?

Answer: (a) _____ [2]

(b) How many more chocolate cupcakes than strawberry cupcakes did she have at first?

Answer: (b) _____ [2]

13. A fruit seller had some fruits. $\frac{1}{5}$ of the fruits were apples and the rest were oranges. She sold $\frac{4}{7}$ of the apples and 51 of the oranges. She then had $\frac{2}{5}$ of the fruits left. How many fruits did she have at first?

Answer: _____ [4]

14. The usual price of a kilogram of flour is $1.80.
During a sale, each kilogram of flour cost 30 cents cheaper.

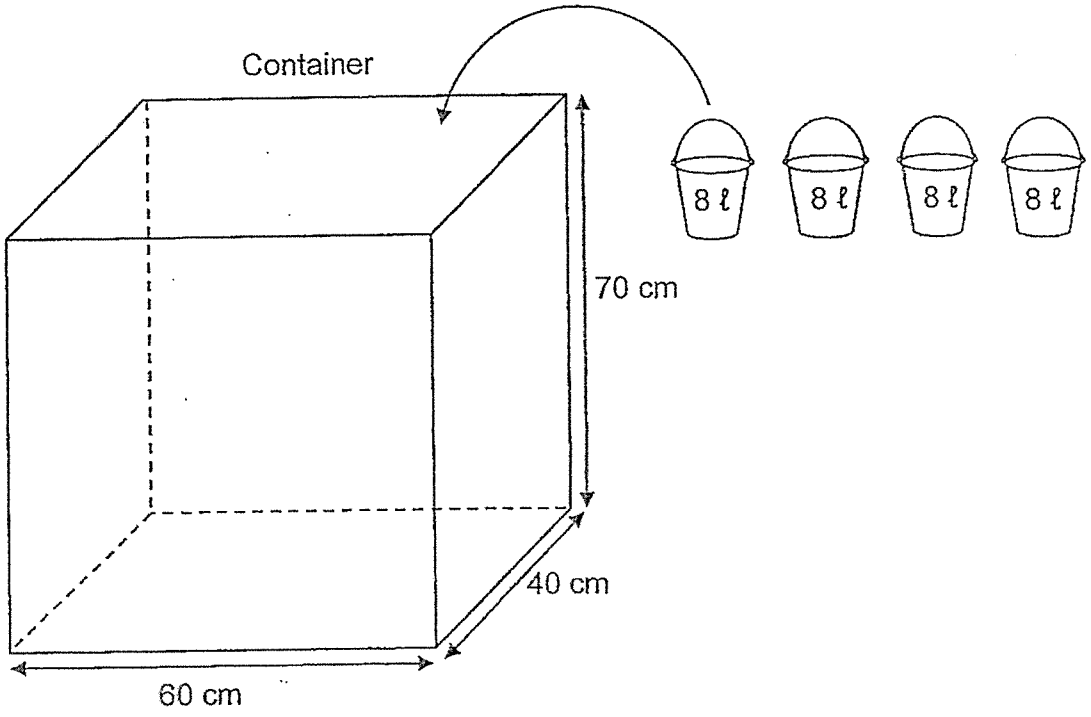
(a) How much did Karen pay for 31 kg of flour during the sale?

Answer: (a) _____ [2]

(b) If Karen paid $23.40 to buy some flour at the usual price, how much more flour can she buy during the sale?

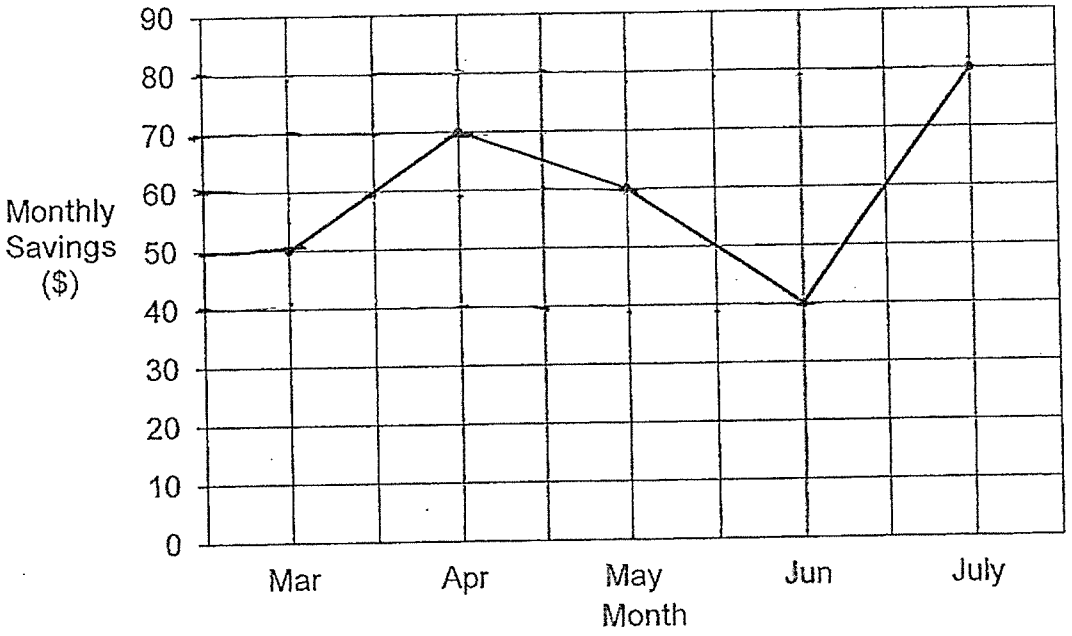
Answer: (b) _____ [2]

15. James poured 4 buckets of water into an empty rectangular tank measuring 60 cm long, 40 cm wide and 70 cm high. Each bucket had a capacity of 8 ℓ. How much more water did James need to fill the tank to a depth of 18 cm? Give your answer in litres.



Answer: _____ [4]

16. The line graph below shows Cynthia's savings from March to July.



(a) What was Cynthia's average monthly savings from March to July?

Answer: (a) _____ [2]

(b) Cynthia's average monthly savings from March to August is $75. How much was his savings in August?

Answer: (b) _____ [3]

17. Circles and triangles are used to form figures that follow a pattern.
The first four figures are shown below.

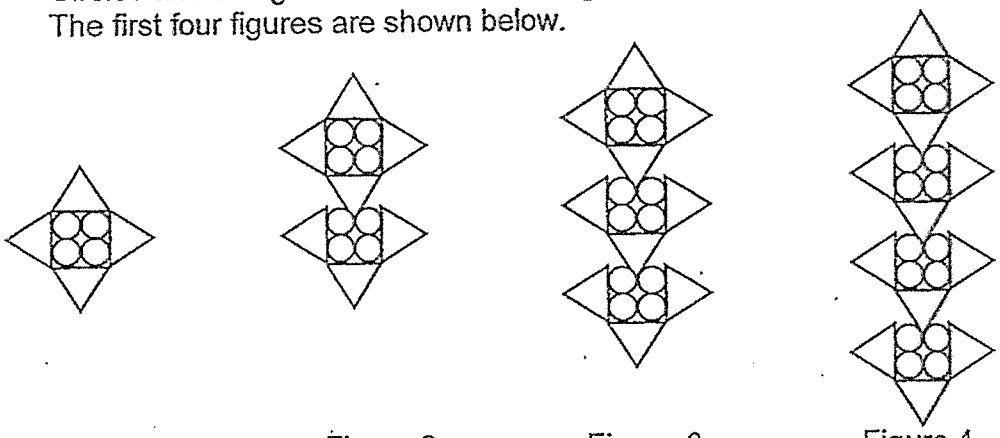


Figure 1 Figure 2 Figure 3 Figure 4

Figure Number	Number of triangles used	Number of circles used	Total number of triangles and circles used
1	4	4	8
2	7	8	15
3	10	12	22
4	13	16	29
. . .	. . .	. . .	. . .
9	28	(a)_____ [1]	64

(a) Complete the table for Figure 9.

(b) In Figure 50, how many triangles were used?

Answer: (b) _____ [2]

(c) Find the total number of circles and triangles in Figure 99.

Answer: (c) _____ [2]

- END OF PAPER -

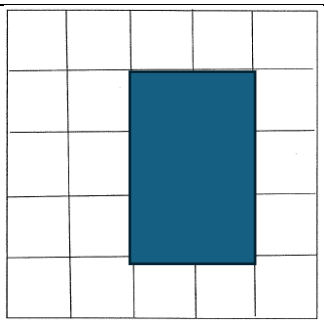
SCHOOL : ANGLO CHINESE SCHOOL (PRIMARY)
LEVEL : PRIMARY 5
SUBJECT : MATHEMATICS
TERM : 2024 END OF YEAR EXAMINATION

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

16	30 – (5+4) ÷ 3 = 30 – 3 = 27	17	20.12 – 8.09 = 12.03
18	$\frac{13}{16}$	19	10 x 5 = 50 6 x 5 = 30
20	7402 ÷ 4 = 1850.5	21	56 ÷ 8 = 7 7 x 3 = 21
22	1u = 60 ÷ 5 = 12 3u = 12 x 3 = 36	23	1u = 908 ÷ 2 = 454 4u = 454 x 4 = 1816 1u = 454 1816 – 454 = 1362
24	72 + 37 = 109 $\angle y = 180 - 109 = 71°$	25	13 + 19 = 32 45 + 19 = 64 Ans: $19
26	12.6 x 2 = 25.5 19.9 x 2 = 39.8 39.8 + 25.5 = 65.3 65.3 ÷ 4 = 16.325	27	360 – 90 – 90 = 180 180 x 2 = 360°
28	11 x 3 = 33 11 – 3 = 8 33 – 3 = 30 Answer 4:15	29	$\angle FBC = 180 - 157 = 23$ 120 + 23 = 143 $\angle BFC = 180 - 143 = 37$ $\angle CFD = 180 - 37 = 143°$
30	392 ÷ 2 = 196 cm^2		

Paper 2

1	8000ml = 8L 8 ÷ 5 = 1.6L	2	96 ÷ 6 = 16 4 x 4 = 16 6, 4, 4

3		4	0.60 x 2 = 1.20 1.20 x 4 = 4.8 1.2 + 4.8 + 0.6 = $6.6
5	4u = 216 1u = 216 ÷ 4 = 54 54 x 7 = $378	6	$\angle BCD = 110°$ $\angle BDC = (180\text{-}110) \div 2 = 35°$
7	$6\frac{3}{4}$ x 5 = 31 $31 + 4\frac{2}{3} = 35\frac{2}{3} = \frac{107}{3}$ $535 \div \frac{107}{3} = 15$	8	72 + 8 = 80 80 ÷ 5 = 16 16 + 8 = $24
9	$\frac{1}{2}$ x 24 x 14 = 168 14 – 5 = 9 $\frac{1}{2}$ x 24 x 9 = 108 168 – 108 = 60cm	10	a) Tuesday = 300km b) 290 x 2 = 580 1150 + 580 = 1730 1730 ÷ 7 = 247.1km
11	a) Petrol A = 60 ÷ 100 = 0.6 Distance = 0.6 x 12% = 7.2 Petrol B = 60 ÷ 100 = 0.6 0.6 x 10% = 6 6 + 2 = 8 8 – 7.2 = $0.8 b) 60 – 8 = 52 52 ÷ 100 = 0.52 0.52 x 9% = 4.68 52 + 4.68 = $56.68	12	a) 612 + 48 = 660 660 ÷ 3 = 220 b) 220 – 480= 172 220 x 2 = 440 440 – 172 = 268
13	$\frac{1}{5} x \frac{4}{7} = \frac{4}{35}$ $1 - \frac{4}{35} = \frac{31}{35}$ $\frac{2}{5} = \frac{14}{35}$ 31 – 14 = 17 51 ÷ 17 = 3 3 x 35 = 105	14	a) 1.8 – 0.3 = 1.5 1.5 x 31 = $46.5 b) 23.4 ÷ 1.8 = 13 23.4 ÷ 1.5 = 15.6 15.6 – 13 = 2.6kg
15	8L = 8000ml 8000 x 4 x 18 = 43200 43200 – 32000 = 11200 = 11.2L	16	a) 50 + 70 + 60 + 40 + 80 = 300 300 ÷ 5 = $60 b) 75 x 6 = 450 450 – 300 = $150
17	a) 36 b) 50 x 3 = 150 150 + 1 = 151 c) 99 x 7 + 1 = 694		

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