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A

PEI CHUN PUBLIC SCHOOL

End-of-Year Examination, 2024

MATHEMATICS

PRIMARY 4

BOOKLET A

Additional materials: Optical Answer Sheet (OAS)

Total Time For Booklets A & B : 1 h 45 min

Name : _____ ()

Class : Primary 4 / _____

Date : 28 October 2024

Maths Teacher: _____

INSTRUCTIONS TO CANDIDATES

DO NOT TURN OVER THIS PAGE UNTIL YOU ARE TOLD TO DO SO.

FOLLOW ALL INSTRUCTIONS CAREFULLY.

ANSWER ALL THE QUESTIONS.

SHADE YOUR ANSWERS IN THE OPTICAL ANSWER SHEET (OAS) PROVIDED.

Questions **1** 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 correct oval (1, 2, 3 or 4) on the Optical Answer Sheet. (30 marks)

1. 24 thousands and 6 tens is the same as _____.

- (1) 246
- (2) 2460
- (3) 24 006
- (4) 24 060

2. Complete the number pattern.

5, 9, 13, _____, _____, 25

- (1) 15, 16
- (2) 15, 23
- (3) 17, 18
- (4) 17, 21

3. Which of the following is **not** an equivalent fraction of $\frac{1}{4}$?

- (1) $\frac{2}{8}$
- (2) $\frac{3}{10}$
- (3) $\frac{4}{16}$
- (4) $\frac{5}{20}$

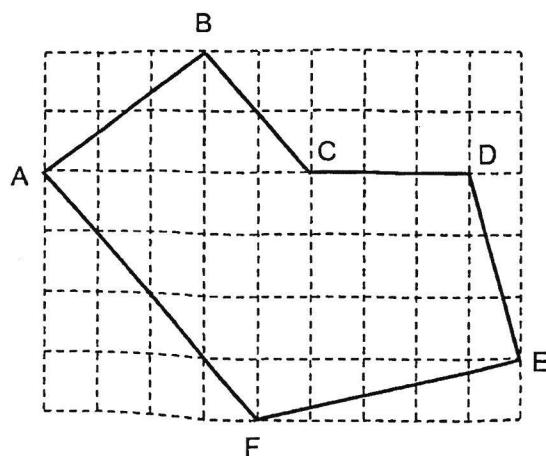
4. How many one-fifths are there in 3 wholes?

- (1) 15
- (2) 5
- (3) $\frac{5}{3}$
- (4) $\frac{3}{5}$

5. What is the number when 118.64 is rounded to 1 decimal place?

- (1) 118.0
- (2) 118.6
- (3) 118.7
- (4) 119.0

6. Figure ABCDEF is drawn on the square grid shown.



Which statement is true?

- (1) AB is parallel to FE.
- (2) BC is parallel to AF.
- (3) AB is perpendicular to BC.
- (4) DE is perpendicular to EF.

7. The diagram shows a whiteboard marker.



Which of the following could be the mass of the whiteboard marker?

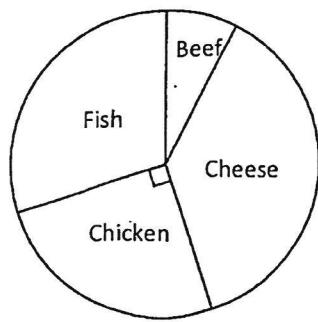
- (1) 2 kg
- (2) 20 kg
- (3) 20 g
- (4) 200 g

8. The table shows the number of boys who chose the different types of burger.

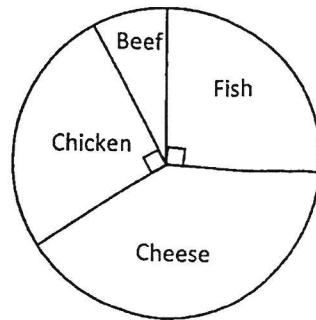
Types of burger	Number of Boys
Beef	3
Cheese	15
Chicken	10
Fish	12

Which of the following pie charts represents the data in the table?

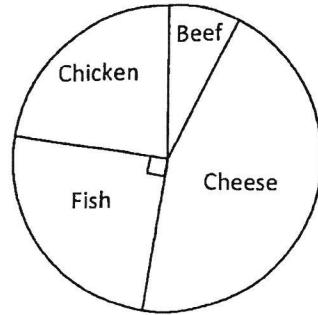
(1)



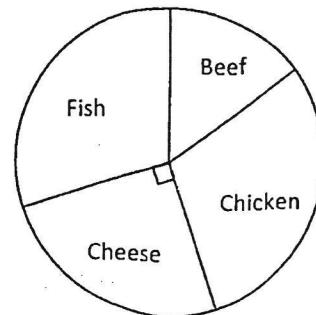
(2)



(3)



(4)

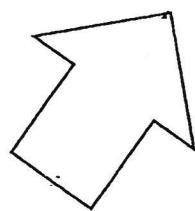


9. Write 3 kg 20 g in grams.

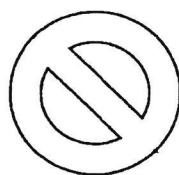
- (1) 302 g
- (2) 320 g
- (3) 3020 g
- (4) 3200 g

10. Which of the following is **not** a symmetric figure?

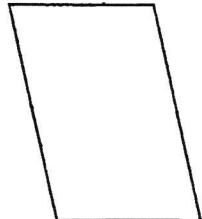
(1)



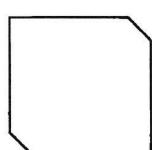
(2)



(3)

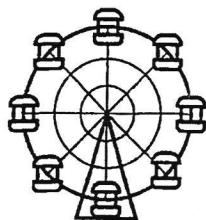


(4)

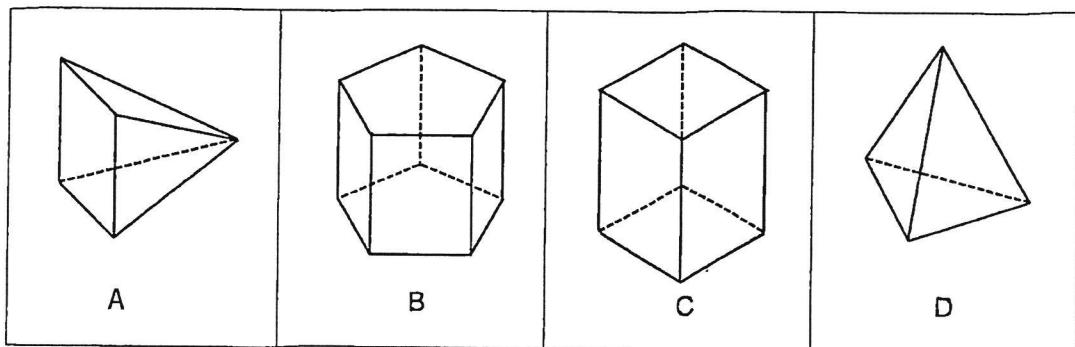


11. A group of 74 children want to take a ride together on the ferris wheel. Each cabin of the ferris wheel can carry at most 6 children. What is the **least** number of cabins needed?

- (1) 11
- (2) 12
- (3) 13
- (4) 14



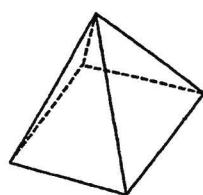
12. Some geometric solids are shown below.



Which of the solids shown above are prisms?

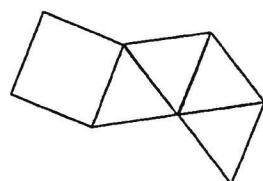
- (1) A and B
- (2) A and D
- (3) C and D
- (4) B and C

13. The figure below shows a geometric solid.

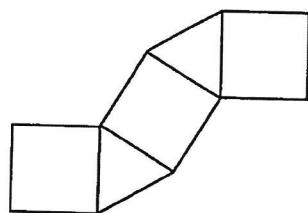


Which of the following is a net of the solid shown above?

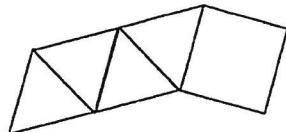
(1)



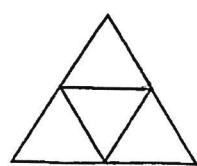
(2)



(3)



(4)



14. The table shows the schedule of the show times at a zoo.

Show	Start Time	Duration
Splash Wonder Show	13 15	1 h 30 min
Wild Meet and Greet Show	15 50	1 h 15 min
Wings of Asia Show	15 00	1 h 20 min
Animal Buddies Show	16 30	45 min

Kang Jie arrives at the zoo at 14 15. He must leave the zoo at 17 00. Which show can he watch from the start to the end?

- (1) Splash Wonder Show
(2) Wild Meet and Greet Show
(3) Wings of Asia Show
(4) Animal Buddies Show
15. A box filled with 6 identical bottles weighed 6.6 kg. The same box when filled with 6 identical cans weighed 3.9 kg. The mass of each bottle was twice the mass of each can. What was the mass of each bottle?

- (1) 0.45 kg
(2) 0.9 kg
(3) 1.2 kg
(4) 2.4 kg

B

PEI CHUN PUBLIC SCHOOL

End-of-Year Examination, 2024

MATHEMATICS

PRIMARY 4

BOOKLET B

Total Time For Booklets A & B : 1 h 45 min

Name : _____ ()

Class : Primary 4 / _____

Date : 28 October 2024

Maths Teacher: _____

Parent's Signature: _____

Booklet A	30
Booklet B	70
TOTAL	100

INSTRUCTIONS TO CANDIDATES

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FOLLOW ALL INSTRUCTIONS CAREFULLY.

ANSWER ALL QUESTIONS.

SHOW YOUR WORKING CLEARLY AS MARKS ARE AWARDED FOR CORRECT WORKING.

Questions 16 to 35 carry 2 marks each. Show your working 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. (40 marks)

Do not write
in this space

-
16. Subtract 276 from 855.

Answer : _____

-
17. Find the product of 1470 and 9.

Answer : _____

-
18. Some factors of 32 are 1, 2, 4 and 32. What are the other factors of 32?

Answer : _____

-
19. Arrange these fractions from the greatest to the smallest.

$$\frac{1}{2}, \frac{2}{3}, \frac{5}{9}$$

Answer : _____, _____, _____
(greatest) (smallest)

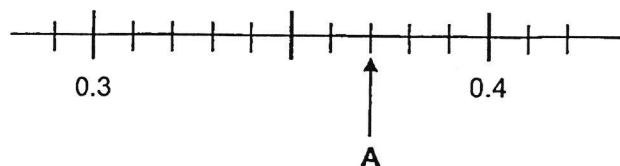
SCORE

20. $1 - \frac{1}{8} - \frac{1}{4} =$

Do not write
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Answer: _____

21. Write the decimal represented by A.



Answer : _____

22. Arrange these numbers from the smallest to the greatest.

0.308 , 3.8 , 0.285 , 0.038

Answer : _____, _____, _____, _____
(smallest) (greatest)

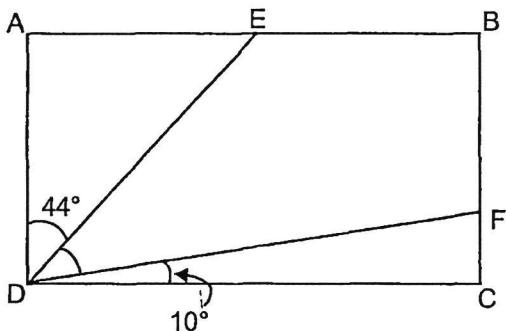
23. Express $\frac{41}{100}$ as a decimal.

Answer : _____

SCORE

24. ABCD is a rectangle. Find $\angle FDE$.

Do not write
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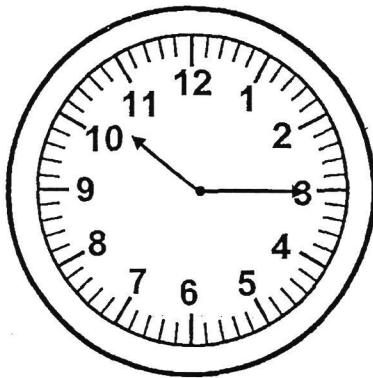


Answer : _____ °

25. A roll of ribbon of length 5 m is cut into 4 equal pieces.
Find the length of each piece of ribbon. Leave your answer as a decimal.

Answer : _____ m

26. Uncle Lim goes to bed every night at the time shown on the clock below.
Write the time in 24-hour clock.



Answer : _____

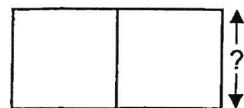
SCORE

27. What is the quotient when 6507 is divided by 8?

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in this space

Answer : _____

28. The rectangle below is made up of 2 squares.
The area of the rectangle is 72 cm^2 .
Find the breadth of the rectangle.

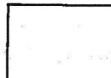


Answer : _____ cm

29. In the space below, draw $\angle ABC = 137^\circ$.
The line AB has been drawn for you. Mark and label the angle.

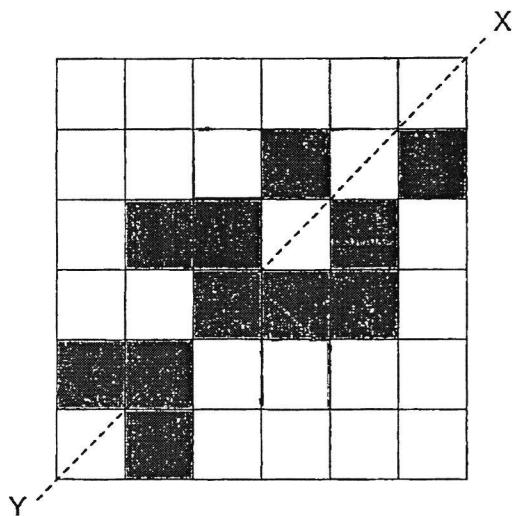


SCORE

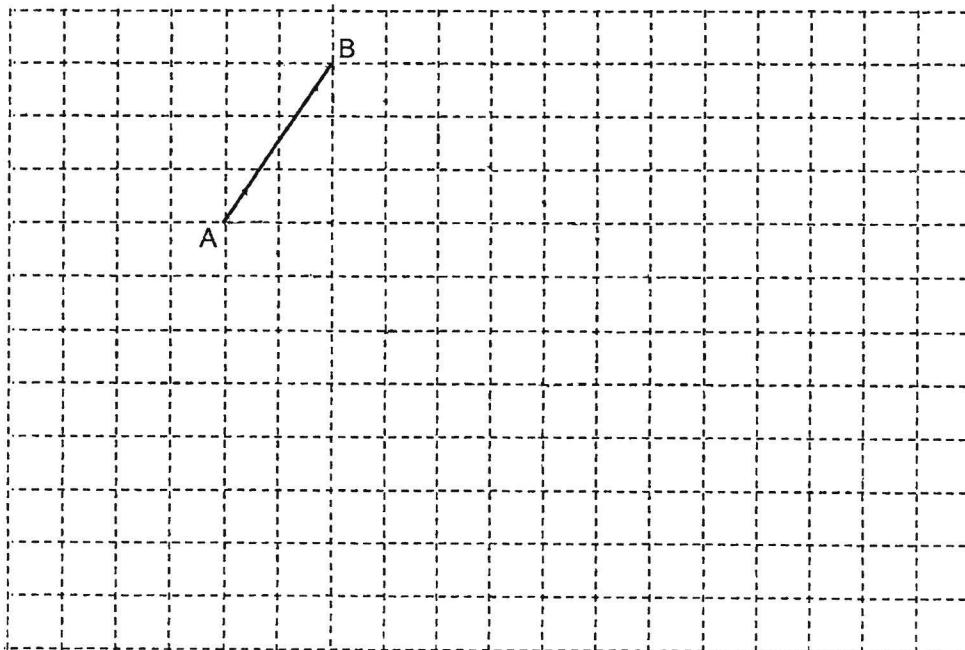


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30. Shade three more squares to complete the figure such that line XY is the line of symmetry.



31. In the square grid below, draw a rectangle ABCD such that AB is one side of the rectangle and the length of BC is twice the length of AB. Mark and label the rectangle.



SCORE _____

32. Jug A contained $\frac{9}{10}$ ℥ of juice. Jug B contained $\frac{3}{4}$ ℥ of juice more than Jug A.
What is the volume of juice in Jug B? Leave your answer as a fraction or mixed number.

Do not write
in this space

Answer : _____ ℥

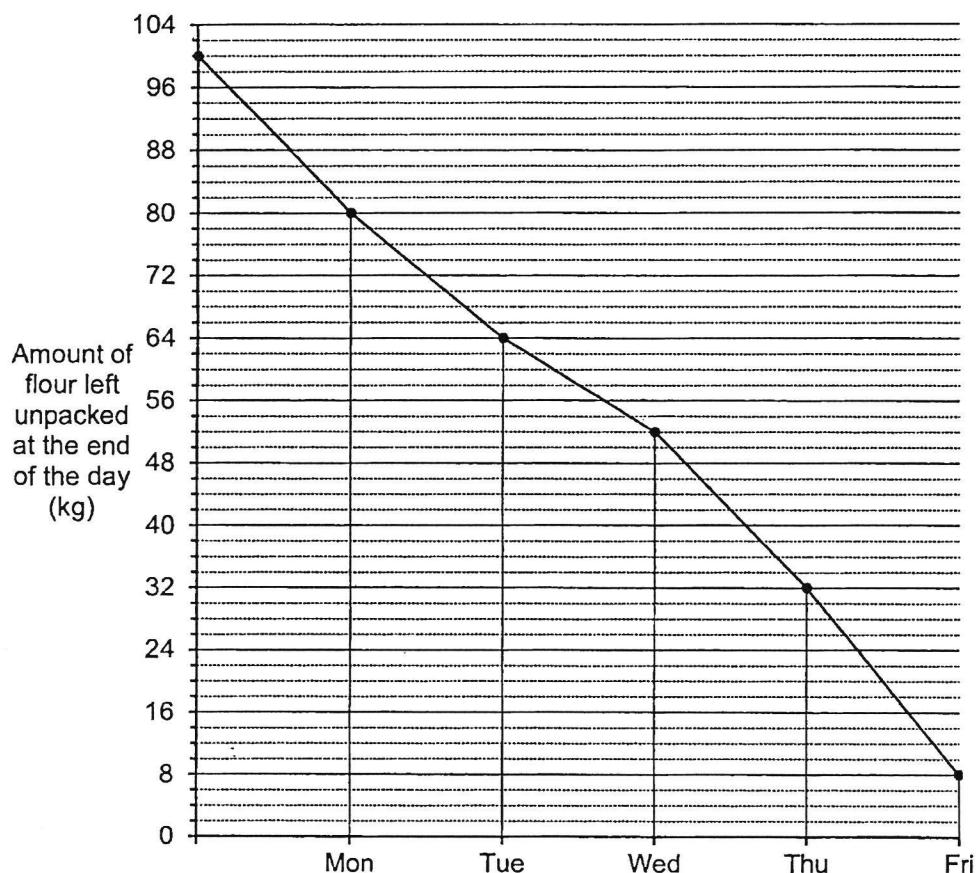
-
33. There were 159 beads in a container. $\frac{1}{3}$ of the beads in the container were red.
There were 34 blue beads and the rest were green beads. How many green beads were there in the container?

Answer : _____

SCORE _____

Do not write
in this space

34. A factory had 100 kg of flour at the start of the week. The line graph below showed the amount of flour left unpacked after some flour was packed into smaller 2-kg packets each day.



How many 2-kg packets of flour were packed by the end of Wednesday?

Answer : _____

SCORE _____

35. Figure 1 shows a rectangle ABCD.
Peter joins 6 such rectangles to form Figure 2.

Do not write
in this space

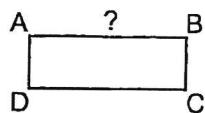


Figure 1

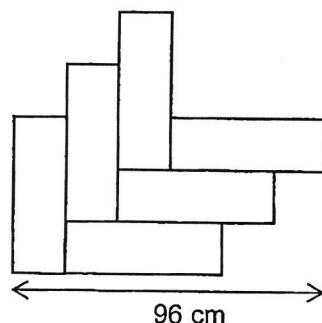


Figure 2

Find the length of AB.

Answer : _____ cm

SCORE

For questions **36** to **43**, show your working clearly 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.

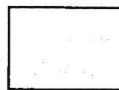
(30 marks)

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in this space

36. The sum of two numbers is 3400. The difference between the two numbers is 2078. What is the greater number?

Answer : _____ [3]

SCORE



37. Kenny baked some cookies. $\frac{1}{5}$ of the cookies were walnut cookies and $\frac{1}{2}$ of them were chocolate cookies. The rest were almond cookies. There were 84 almond cookies. How many cookies did Kenny bake altogether?

Do not write
in this space

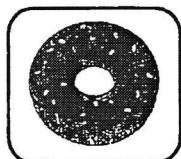
Answer : _____ [3]

SCORE

Do not write
in this space

38. The information below shows the prices of donut and egg tart sold at Joyous Bakery.

Donut



\$2.30
each

Egg Tart



\$1.50
each

- (a) Miss Goh bought 2 donuts and 6 egg tarts. How much did she have to pay?

Answer : (a) _____ [2]

(b)

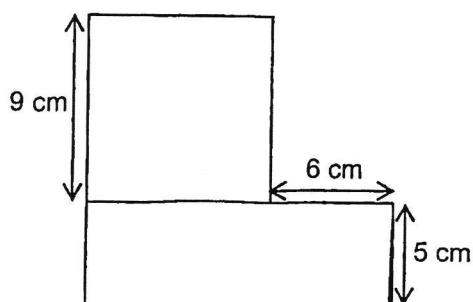
- (a) Miss Goh gave the cashier 2 ten-dollar notes. How much change did she receive?

Answer : (b) _____ [2]

SCORE _____

Do not write
in this space

39. The figure below is made up of a square and a rectangle.



- (a) What is the perimeter of the figure?

Answer ? _____ [2]

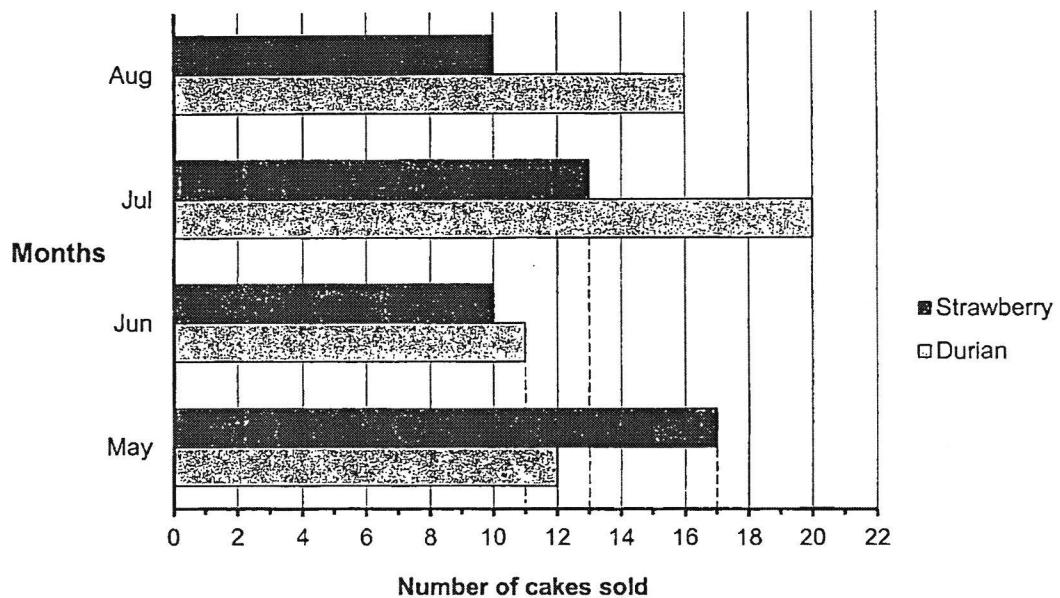
- (b) What is the area of the figure?

Answer (b) _____ [2]

SCORE

Do not write
in this space

40. Josie's Cake shop sells two flavours of cakes – strawberry and durian. The graph shows the number of each flavour of cakes sold in the cake shop in a four-month period.



- (a) In which 2 months were the number of strawberry cakes sold the same?

Answer : (a) _____ and _____ [1]

- (b) How many fewer durian cakes than strawberry cakes were sold in May?

Answer : (b) _____ [1]

- (c) What was the total number of durian cakes sold in the four-month period?

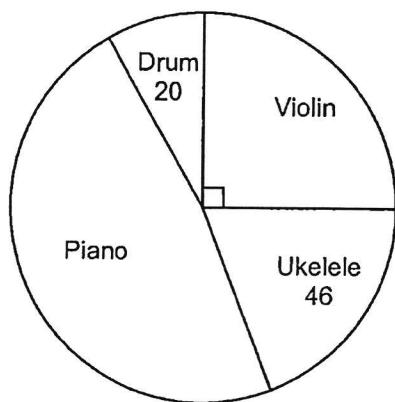
Answer : (c) _____ [2]

SCORE

41. A survey was conducted on a group of 240 children to find out their favourite musical instruments. The pie chart shows the children's choice.

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in this space

Favourite Musical Instruments



- (a) Complete the table below.

Musical Instrument	Violin	Ukelele	Piano	Drum
Number of children		46		20

[2]

- (b) How many **more** children chose violin than ukelele?

Answer : (b) _____ [2]

SCORE

42. A baker baked the same number of muffins and cupcakes. After he sold 32 muffins and baked 346 more cupcakes, he had 7 times as many cupcakes as muffins. How many muffins did he bake?

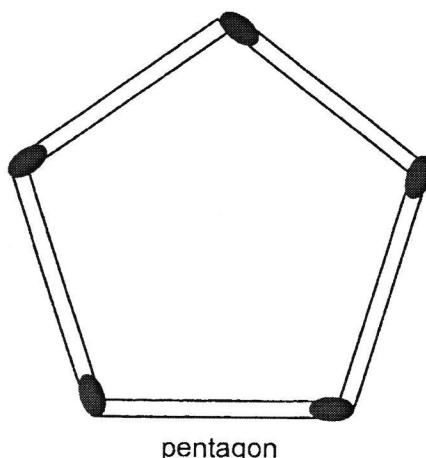
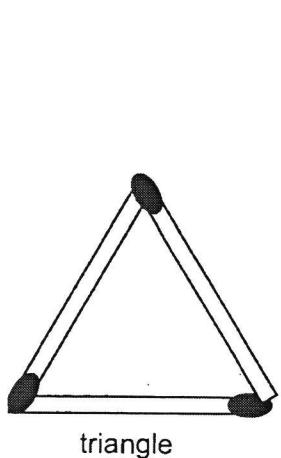
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in this space

Answer : _____ [4]

SCORE

Do not write
in this space

43. Max used matchsticks to make an equal number of triangles and pentagons. He used 3 matchsticks to make a triangle and 5 matchsticks to make a pentagon as shown below. He used 90 more matchsticks to form the pentagons than the triangles.



- (a) How many triangles did he make?

Answer : (a) _____ [2]

- (b) How many matchsticks did Max use to make all the triangles and pentagons?

Answer : (b) _____ [2]

End of Paper

SCORE

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SCHOOL : PEI CHUN PRIMARY SCHOOL
LEVEL : PRIMARY 4
SUBJECT : MATH
TERM : 2024 SA2

CONTACT :

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

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End of Year Examination 2024

Mathematics – Correction Booklet B:

Name: _____ () Date: _____

Class: Primary 4 / _____

16.

$$\begin{array}{r}
 7845 \\
 - 276 \\
 \hline
 579
 \end{array}$$

17.

$$\begin{array}{r}
 46 \\
 1470 \\
 \times 9 \\
 \hline
 13230 \\
 36
 \end{array}$$

18.

$$\begin{array}{r}
 \underline{32} \\
 1 \times 32 \\
 2 \times \underline{16} \\
 4 \times \underline{8}
 \end{array}$$

Answer: 8 and 16

$$\frac{2}{3} = \frac{6}{9}$$

Answer: $\frac{2}{3}$, $\frac{5}{9}$, $\frac{1}{2}$

$$\begin{aligned}
 20. \quad 1 - \frac{1}{8} - \frac{1}{4} &= \frac{\underline{8}}{\underline{8}} - \frac{\underline{2}}{\underline{8}} - \frac{\underline{2}}{\underline{8}} \\
 &= \frac{\underline{5}}{\underline{8}}
 \end{aligned}$$

21. Answer: 0.3722. Answer: 0.038, 0.285, 0.308, 3.823. Answer: 0.41

$$\begin{aligned}
 24. \angle FDE &= \underline{90}^\circ - 44^\circ - 10^\circ \\
 &= \underline{36}^\circ
 \end{aligned}$$

$$\begin{aligned}
 25. \text{ length } \rightarrow \frac{5}{\underline{\quad}} \div \frac{4}{\underline{\quad}} \\
 &= \underline{1.25} \text{ m}
 \end{aligned}$$

26. Answer: 221533. 3 units = 159

27.

	8	1	3	Quotient 9
8	6	5	0	7
-	6	4	↓	
		1	0	
-		8	↓	
		2	7	
-		2	4	
			3	

Answer : 813

$$1 \text{ unit} = 159 \div 3 = 53$$

$$\text{Red} \rightarrow 53$$

$$\begin{aligned} \text{Green} &\rightarrow 159 - 34 - 53 \\ &= 72 \end{aligned}$$

$$34. \quad \text{Wed Left} \rightarrow 52$$

$$\begin{aligned} \text{Packed} &\rightarrow 100 - 52 \\ &= 48 \end{aligned}$$

$$\begin{aligned} \text{Packets} &\rightarrow 48 \div 2 \\ &= 24 \end{aligned}$$

$$28. \quad \text{Area (1 square)} \rightarrow 72 \div 2 = 36$$

$$\begin{aligned} \text{Length} &\rightarrow \sqrt{36} = 6 \\ \text{Breadth} & \end{aligned}$$

$$32. \quad \text{Jug B} \rightarrow \frac{9}{16} + \frac{3}{4}$$

$$= \frac{18}{20} + \frac{15}{20}$$

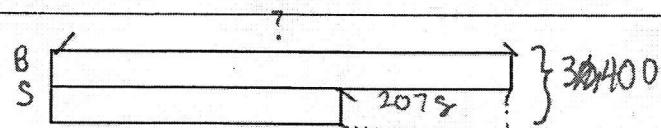
$$= \frac{33}{20} = 1\frac{13}{20}$$

35. 6 units = 96

$$1 \text{ unit} = 96 \div 6 = 16$$

$$\text{Length AB} \rightarrow 16 \times 3 = 48 \text{ cm}$$

36.



$$\begin{array}{r} 3400 \\ + 2078 \\ \hline 5478 \end{array}$$

$$2 \text{ units} = 3400 + 2078 \\ = 5478$$

$$\text{Greater number} \rightarrow 5478 \div 2 = 2739$$

37. Fraction (Almond) $\rightarrow 1 - \frac{1}{5} - \frac{1}{2} = \frac{10}{10} - \frac{2}{10} - \frac{5}{10} = \frac{3}{10}$

$$\begin{array}{r} 28 \\ 3 \sqrt{84} \\ \underline{-6} \\ 24 \end{array}$$

3 units = 84

$$1 \text{ unit} = 84 \div 3 = 28$$

$$\text{Baked total} \rightarrow 28 \times 10 = 280$$

38 (a). 2 donuts $\rightarrow 2 \times 2.30 = 4.60$

$$\begin{array}{r} 9 \\ 10 \\ 100.00 \\ - 13.60 \\ \hline 6.40 \end{array}$$

$$6 \text{ egg tarts} \rightarrow 6 \times 1.50 = 9$$

$$\text{Total} \rightarrow 9 + 4.60 = \$ 13.60$$

38 (b). Change $\rightarrow 20 - 13.60 = \$ 6.40$

39 (a). Perimeter $\rightarrow 9 + 9 + 6 + 5 + 15 + 5 + 9 = 58 \text{ cm}$

39 (b). Area (square) $\rightarrow 9 \times 9 = 81$

$$\text{Area (rectangle)} \rightarrow 5 \times 15 = 75$$

$$\text{Total Area} \rightarrow 81 + 75 = 156 \text{ cm}^2$$

40 (a). Aug and Jun

$$40 (\text{b}). \text{fewer} \rightarrow 17 - 12 = 5$$

$$40 (\text{c}). \text{Total} \rightarrow 16 + 20 + 11 + 12 \\ = 59$$

41 (a).

Musical Instrument	Violin	Ukulele	Piano	Drum
Number of children	60	46	114	20

$$41 (\text{b}). \text{More} \rightarrow 60 - 46 = 14$$

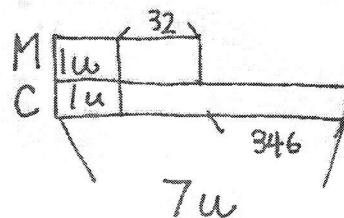
42.



$$6 \text{ units} = 32 + 346 = 378$$

$$1 \text{ unit} = 378 \div 6 = 63$$

$$\text{Muffins} \rightarrow 63 + 32 = 95$$



43 (a).

$$\text{Difference in unit} \rightarrow 5 - 3 = 2$$

Tri

Pentagon

More

$$\text{No. of triangles} \rightarrow 90 \div 2 = 45$$

1 3

5

2

43 (b).

$$\text{Triangles} \rightarrow 45 \times 3 = 135$$

2 6

10

4

$$\text{Pentagons} \rightarrow 45 \times 5 = 225$$

3 9

15

6

$$\text{Total} \rightarrow 135 + 225 = 360 //$$

• • •

90

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