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)

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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?

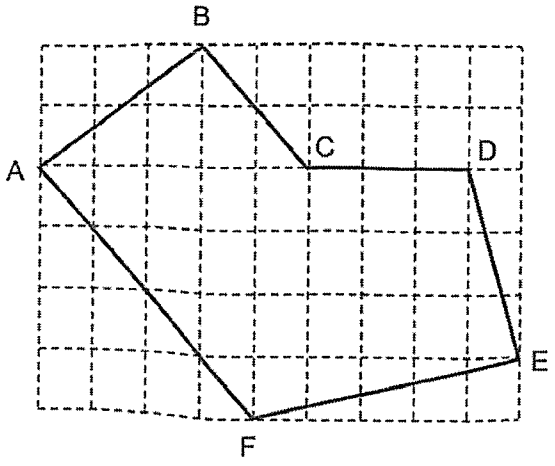
(1) 118.0

(2) 118.6

(3) 118.7

(4) 119.0

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



Which statement is true?

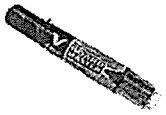
(1) AB is parallel to FE.

(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

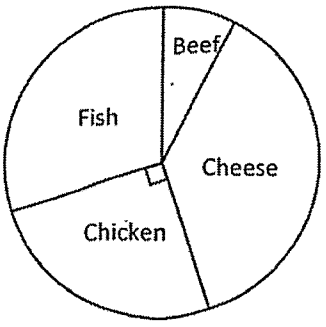
(4) 200 g

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

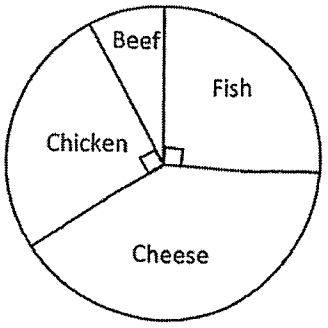
Types of burger	Number of Boys
Beef	3
Cheese	15
Chicken	10
Fish	12

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

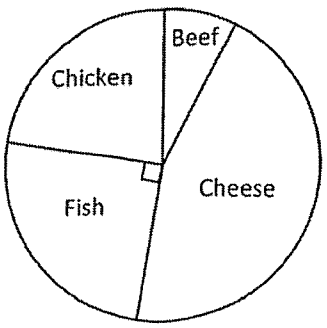
(1)



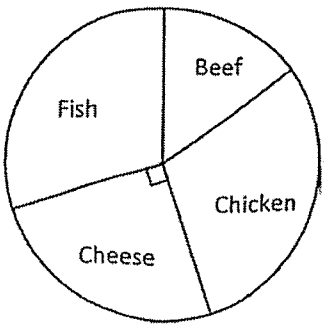
(2)



(3)



(4)



9. Write 3 kg 20 g in grams.

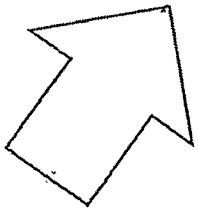
(1) 302 g

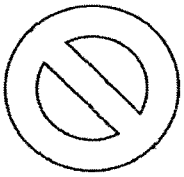
(2) 320 g

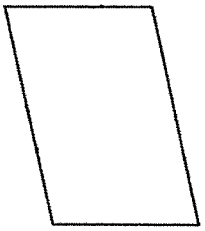
(3) 3020 g

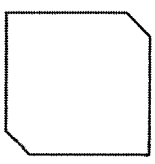
(4) 3200 g

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

(1) 

(2) 

(3) 

(4) 

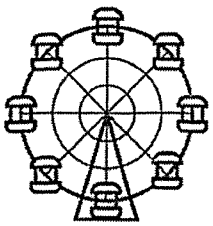
11. A group of 74 children want to take a ride together on the ferris wheel. Each cabin of the ferris wheel can carry at most 6 children. What is the **least** number of cabins needed?

(1) 11

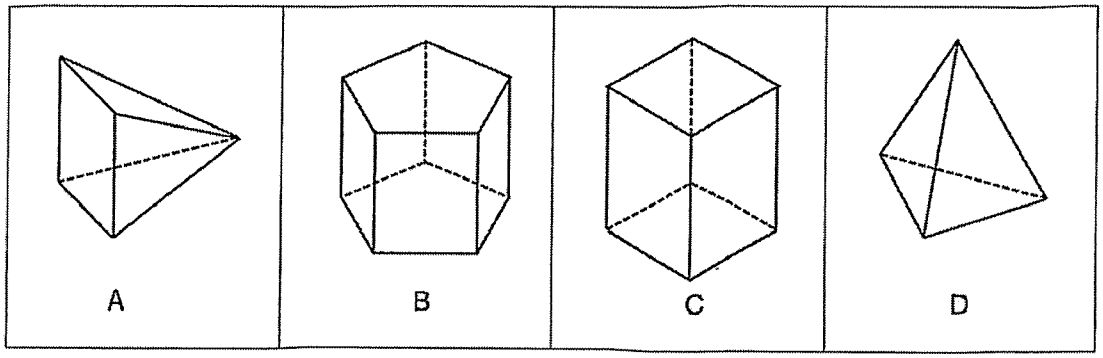
(2) 12

(3) 13

(4) 14



12. Some geometric solids are shown below.



Which of the solids shown above are prisms?

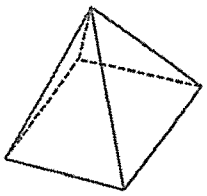
(1) A and B

(2) A and D

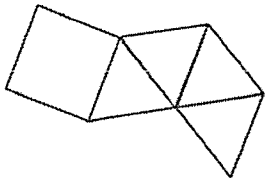
(3) C and D

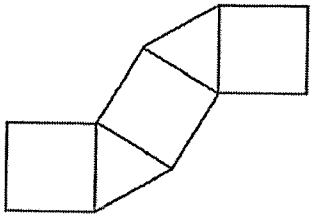
(4) B and C

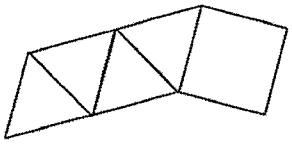
13. The figure below shows a geometric solid.

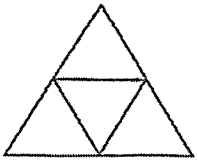


Which of the following is a net of the solid shown above?

(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

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

Do not write in this space

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

Answer: _____

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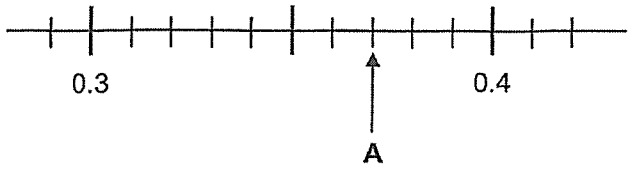
21. Write the decimal represented by A.



Answer : _____

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

0.308 , 3.8 , 0.285 , 0.038

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

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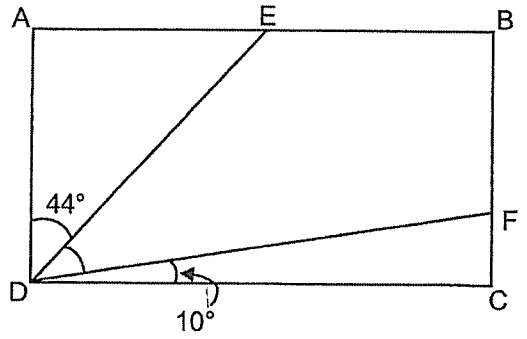
23. Express $\frac{41}{100}$ as a decimal.

Answer : _____

SCORE

Do not write in this space

24. ABCD is a rectangle. Find ∠FDE.



Answer : _____ °

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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

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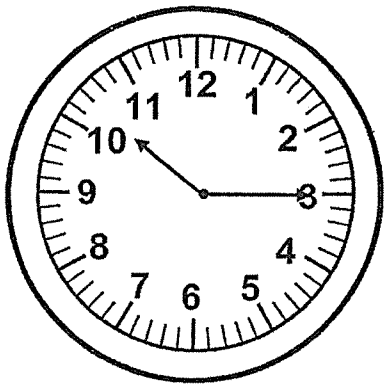
26. Uncle Lim goes to bed every night at the time shown on the clock below.
Write the time in 24-hour clock.



Answer : _____

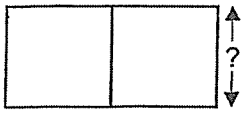
SCORE

Do not write in this space

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

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

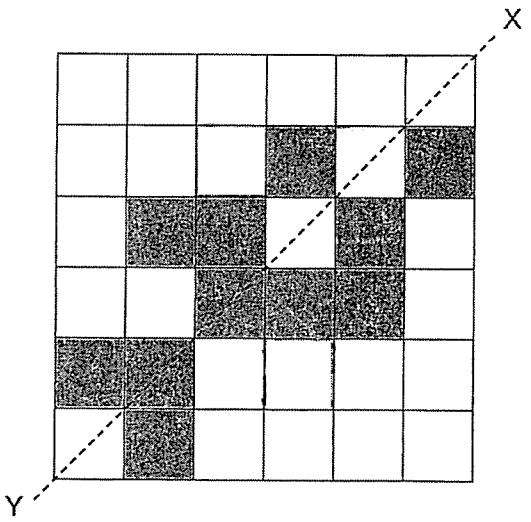
29. In the space below, draw ∠ABC = 137°.
The line AB has been drawn for you. Mark and label the angle.

A B

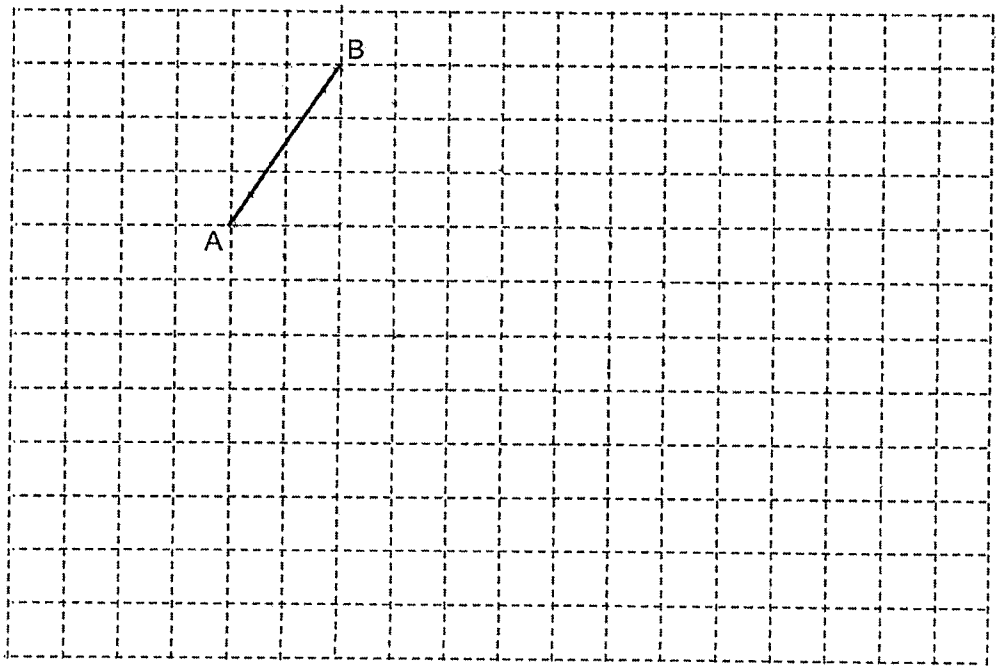
SCORE

Do not write in this space

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

Do not write in this space

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

Answer : _____ ℓ

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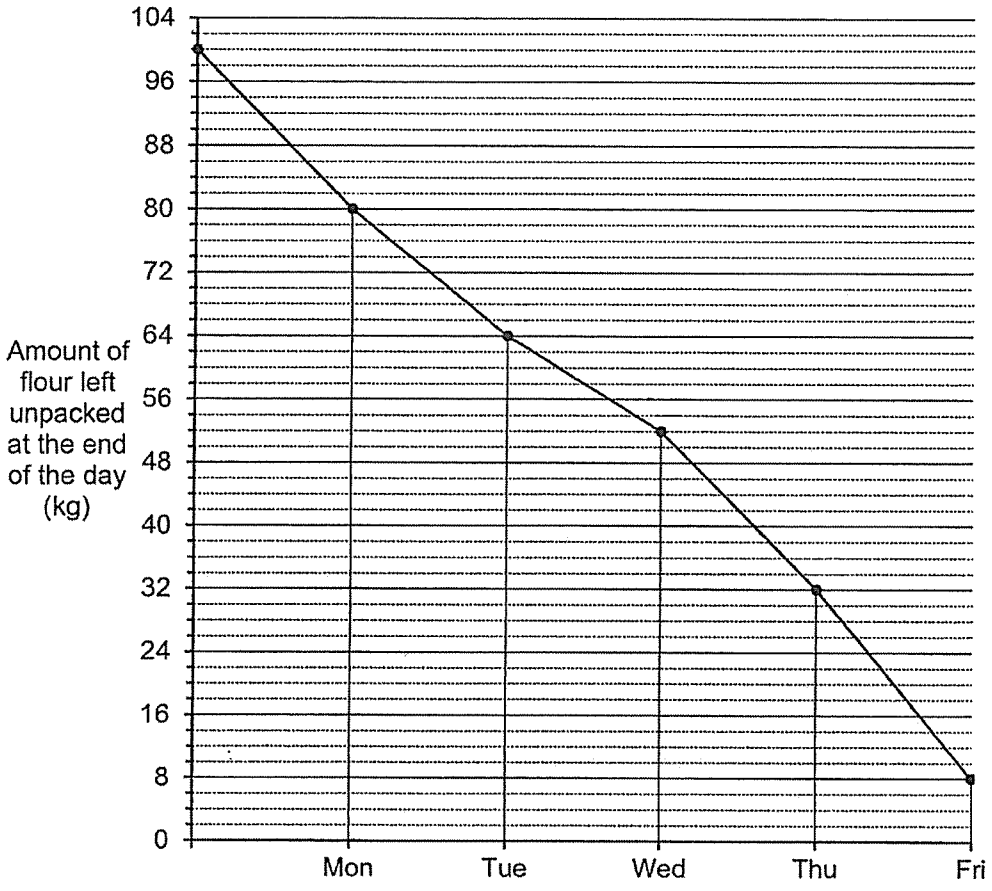
33. There were 159 beads in a container. $\frac{1}{3}$ of the beads in the container were red. There were 34 blue beads and the rest were green beads. How many green beads were there in the container?

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

Do not write in this space

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

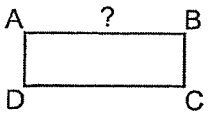


Figure 1

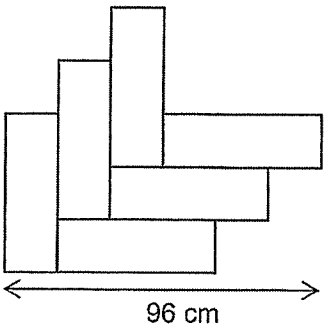


Figure 2

Find the length of AB.

Answer : _____cm

SCORE

Do not write in this space

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)

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

Answer : _____ [3]

SCORE

Do not write in this space

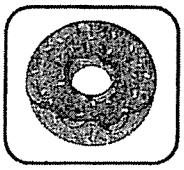
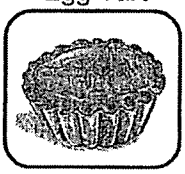
37. Kenny baked some cookies. $\frac{1}{5}$ of the cookies were walnut cookies and $\frac{1}{2}$ of them were chocolate cookies. The rest were almond cookies. There were 84 almond cookies. How many cookies did Kenny bake altogether?

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	Egg Tart
	
$2.30 each	$1.50 each

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

Answer : (a) _____ [2]

(b)

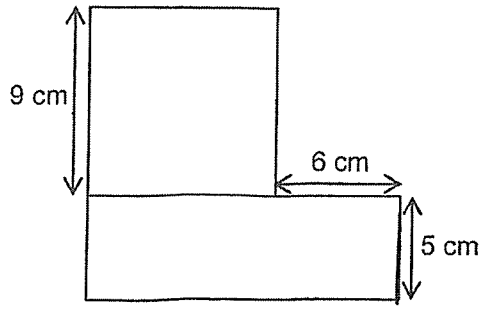
(a) Miss Goh gave the cashier 2 ten-dollar notes. How much change did she receive?

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?

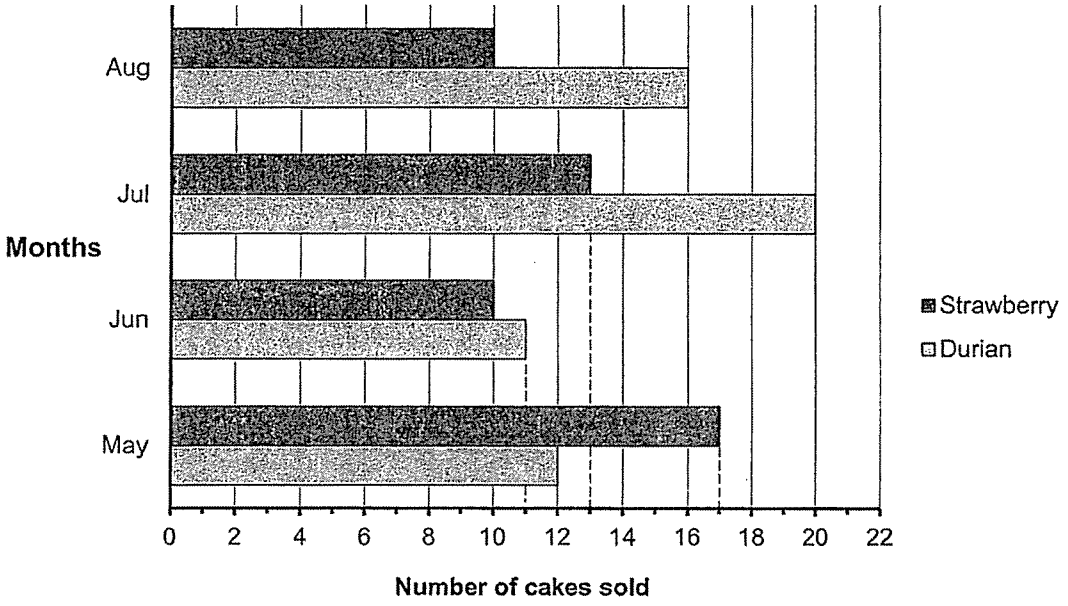
Answer (a) _____ [2]

(b) What is the area of the figure?

Answer (b) _____ [2]

SCORE

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?

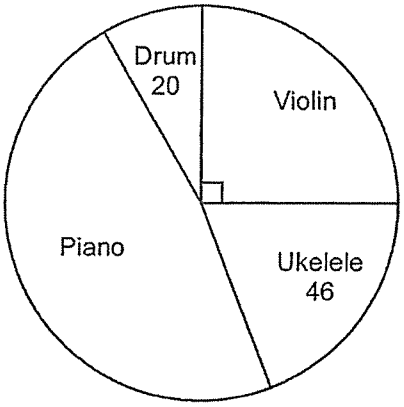
Answer : (c) _____ [2]

SCORE

Do not write in this space

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.

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

Do not write in this space

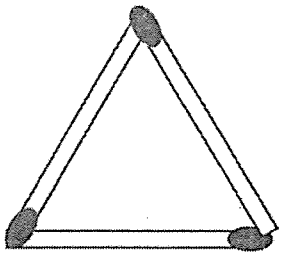
42. A baker baked the same number of muffins and cupcakes. After he sold 32 muffins and baked 346 more cupcakes, he had 7 times as many cupcakes as muffins. How many muffins did he bake?

Answer : _____ [4]

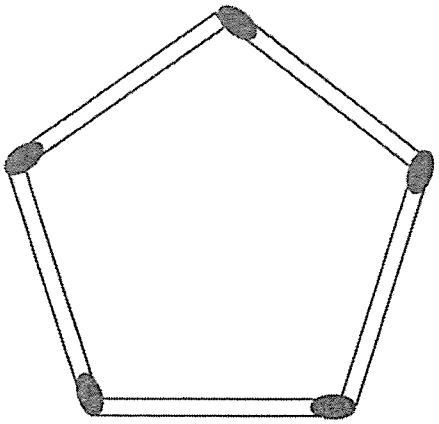
SCORE

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.



triangle



pentagon

(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

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

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					

End of Year Examination 2024

Mathematics – Correction Booklet B:

Name: _____ ( ) Date: _____

Class: Primary 4 / _____

16.

	7 ~~8~~ 14 ~~5~~		~~5~~ 15
−	2	7	6
	5	7	9

17.

	4	6		
	1	4	7	0
×				9
	1	3	2	3	0
		36		

18.

32
1 × 32
2 × 16
4 × 8

Answer: 8 and 16

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

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

20. $1 - \frac{1}{8} - \frac{1}{4} = \frac{[8]}{[8]} - \frac{[1]}{[8]} - \frac{[2]}{[8]}$

$= \frac{[5]}{[8]}$

21. Answer : 0.37

22. Answer : 0.038 , 0.285, 0.308 , 3.8

23. Answer : 0.41

24. ∠FDE = 90 ° − 44° − 10°

= 36 °

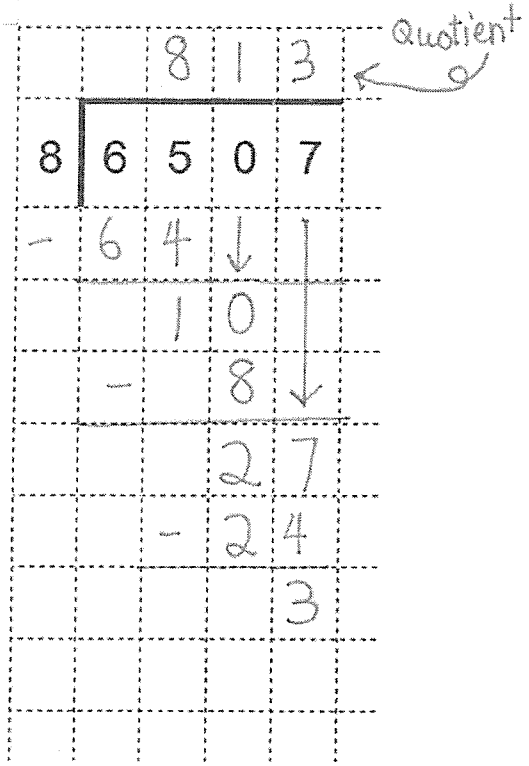
25. length → 5 ÷ 4

= 1.25 m

26. Answer : 22.15

33. 3 units = 159

27.



Answer : 813

1 unit = 159 ÷ 3 = 53

Red → 53

Green → 159 – 34 – 53

= 72

34. Wed Left → 52

Packed → 100 – 52

= 48

Packets → 48 ÷ 2

= 24

28. Area (1 square) → 72÷2 = 36

Length → $\sqrt{36}$ = 6

Breadth

32. Jug B → $\frac{9}{16}$ + $\frac{3}{4}$

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

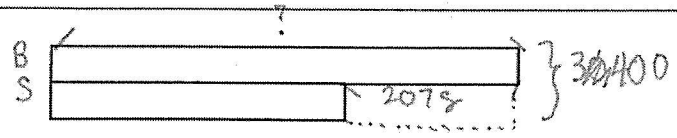
$= \frac{33}{20} = 1\frac{13}{20}$

35. 6 units = 96

1 unit = 96 ÷ 6 = 16

Length AB → 16 × 3 = 48 cm

36.



3400
+2078
5478

2 units = 3400 + 2078

= 5478

Greater number → 5478 ÷ 2 = 2739

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

28
3|84
-6
24

3 units = 84

1 unit = 84 ÷ 3 = 28

Baked total → 28 × 10 = 280

38 (a). 2 donuts → 2 × 2.30 = 4.60

6 egg tarts → 6 × 1.50 = 9

Total → 9 + 4.60 = $ 13.60

9 10
1 20.00
-13.60
6.40

38 (b). Change → 20 − 13.60 = $ 6.40

39 (a). Perimeter → 9 + 9 + 6 + 5 + 15 + 5 + 9 = 58 cm

39 (b). Area (square) → 9 × 9 = 81

Area (rectangle) → 5 × 15 = 75

Total Area → 81 + 75 = 156 cm²

40 (a). Aug and Jun

40 (b). fewer → 17 − 12 = 5

40 (c). Total → 16 + 20 + 11 + 12

= 59

41 (a).

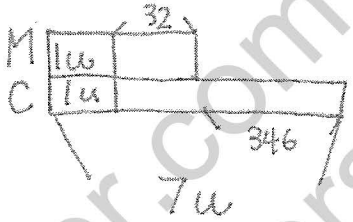
Musical Instrument	Violin	Ukelele	Piano	Drum
Number of children	60	46	114	20

41 (b). More → 60 − 46 = 14

42.

Muffin

Cupcakes



6 units = 32 + 346 = 378

1 unit = 378 ÷ 6 = 63

Muffins → 63 + 32 = 95

43 (a). Difference in unit → 5 − 3 = 2

No. of triangles → 90 ÷ 2 = 45

43 (b). Triangles → 45 × 3 = 135

Pentagons → 45 × 5 = 225

Total → 135 + 225 = 360°

Tri	Pentagon	More
1	3	5	2
2	6	10	4
3	9	15	6
.	.	.	.
			90