A

PEI CHUN PUBLIC SCHOOL

SEMESTRAL ASSESSMENT 2, 2019

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 : 30 October 2019

Maths Teacher: _____

INSTRUCTIONS TO CANDIDATES

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

FOLLOW ALL INSTRUCTIONS CAREFULLY.

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. In the number 34 120, which digit is in the tens place?

   (1) 1

   (2) 2

   (3) 3

   (4) 4

2. 23 549 rounded to the nearest hundred is _____.

   (1) 23 500

   (2) 23 550

   (3) 23 600

   (4) 24 000

3. Which of the following fractions is in its simplest form?

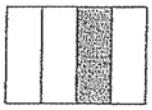
   (1) $\frac{3}{10}$

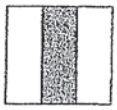
   (2) $\frac{2}{4}$

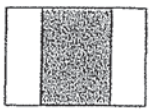
   (3) $\frac{9}{12}$

   (4) $\frac{5}{15}$

4. Which one of the following has $\frac{1}{3}$ of the figure shaded?

(1) 

(2) 

(3) 

(4)

5. Find the sum of 0.5 and 93.27.

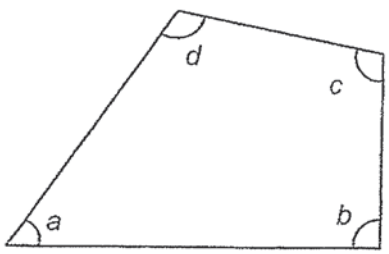
(1) 92.77

(2) 93.32

(3) 93.77

(4) 98.27

6. In the figure, which of the angles is a right angle?



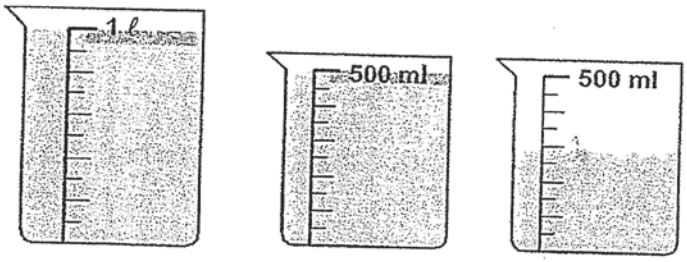
(1) $\angle a$

(2) $\angle b$

(3) $\angle c$

(4) $\angle d$

7. How much more water is required to make 2 ℓ?



(1) 20 ml

(2) 40 ml

(3) 200 ml

(4) 400 ml

8. The table below shows the duration of the movies at a cinema.

Title of movie	Start time	Duration of movie
The Lady Bird	11 a.m.	1 h 45 min
Kathy the Caterpillar	11.30 a.m.	2 h 40 min
Hugo the Hippopotamus	11.35 a.m.	1 h 20 min
The Flying Elephant	12 noon	2 h

Siqin arrives at the cinema at 11.15 a.m. and her father will pick her up at 1 p.m.. Which movie should she pick to watch so that she is able to watch the show from the start to the end?

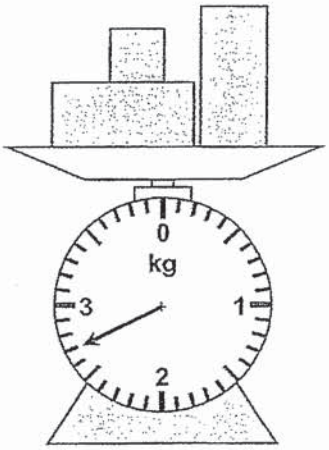
(1) The Lady Bird

(2) Kathy the Caterpillar

(3) Hugo the Hippopotamus

(4) The Flying Elephant

9. 2 identical rectangular blocks and 1 square block are placed on the scale as shown below. The mass of the square block is 500 g.



What is the mass of 1 rectangular block?

(1) 1100 g

(2) 1700 g

(3) 2200 g

(4) 2700 g

10. A group of 168 Primary Four pupils was surveyed to name their favourite sports. The table below shows their choices.

Types of sports	Number of pupils who chose the sports as their favourite
Badminton	56
Basketball	63
Table tennis	21
Volleyball	28

$\frac{3}{8}$ of the pupils chose one of the sports as their favourite. What is the sports?

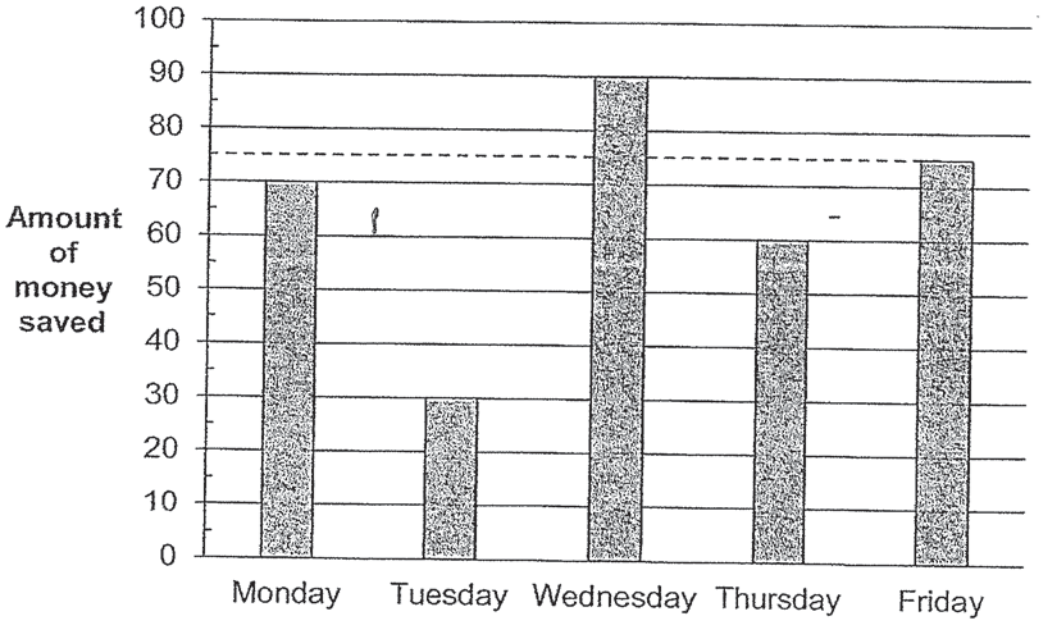
(1) Badminton

(2) Basketball

(3) Table tennis

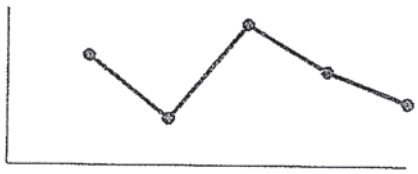
(4) Volleyball

11. The bar graph shows the amount of money saved from Monday to Friday.

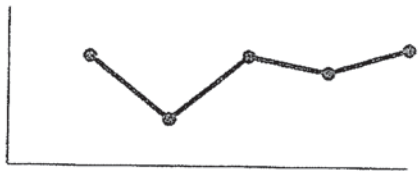


Which line graph correctly displays the data of the above bar graph?

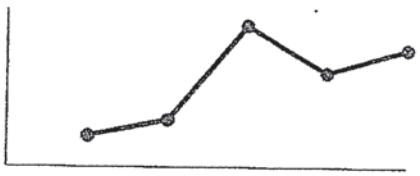
(1)



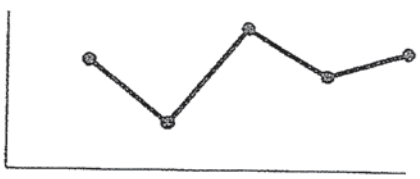
(2)



(3)



(4)



12. Which of the following letters are **not** symmetrical?

T A L E S

(1) T and L

(2) A and S

(3) E and S

(4) L and S

13. Jason had 46 more cards than Bala. After Jason bought another 26 cards, he had four times as many cards as Bala. How many cards did Bala have?

(1) 18

(2) 24

(3) 72

(4) 96

14. A red light flashes every 4 seconds. A blue light flashes every 6 seconds. Both lights start flashing at the same time. What is the shortest time taken for both lights to flash together again?

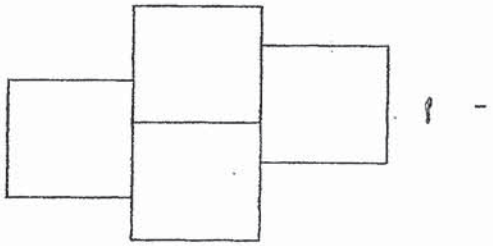
(1) 24 s

(2) 12 s

(3) 6 s

(4) 4 s

15. The figure below is made up of four identical squares. The length of each square is 4 cm.



Find the perimeter of the figure.

(1) 32 cm

(2) 36 cm

(3) 40 cm

(4) 64 cm

B

PEI CHUN PUBLIC SCHOOL

SEMESTRAL ASSESSMENT 2, 2019

MATHEMATICS

PRIMARY 4

BOOKLET B

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

Name : _____ ( )

Class : Primary 4 / _____

Date : 30 October 2019

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. Write the missing number in the number pattern below.

12 800 , 12 000 , 11 200 , 10 400 , _____ , 8 800

Answer : _____

17. Write eleven thousand and eighty-four in figures.

Answer : _____

18. Arrange the following numbers from the greatest to the smallest.

289 , 928 , 982 , 298

Answer : _____ , _____ , _____ , _____

(greatest) (smallest)

19. Which two of the fractions below are smaller than $\frac{1}{2}$?

$\frac{2}{5}$, $\frac{2}{3}$, $\frac{2}{4}$, $\frac{4}{9}$

Answer : _____ and _____

SCORE

20. What is the value of $\frac{5}{8} + \frac{1}{2}$?
Express your answer as a mixed number.

Do not write in this space

Answer : _____

21. Express $\frac{43}{1000}$ as a decimal.

Answer : _____

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

$\frac{1}{5}$, 0.205 , 0.0205

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

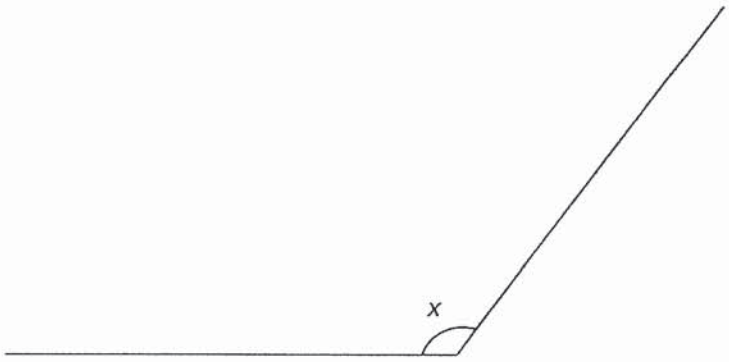
23. Find the value of 4.78 x 6.

Answer : _____

SCORE

24. Measure and write down the size of angle x.

Do not write in this space



Answer : _____ °

25. There are 38 children in a class. 24 of them are boys. What fraction of the class are girls? Give your answer in the simplest form.

Answer : _____

26. The distance from Sham's home to school is 650 m. He makes a trip from home to school and back again to home from Monday to Friday in a week. What is the total distance that Sham travels in a week? Express your answer in kilometres and metres.

Answer : _____ km _____ m

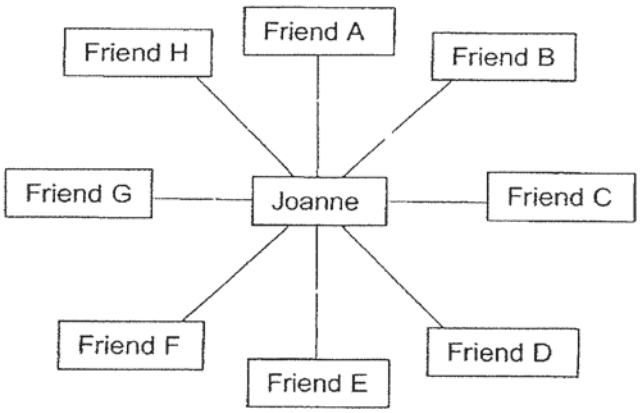
SCORE

27. Mr Guo travelled by bus from Singapore to Malacca. He arrived in Malacca at 18 25. The journey took 5 h 50 min.
What time did he leave Singapore? Give your answer in the **24-hour clock.**

Do not write in this space

Answer : _____

28. Joanne was playing a ball game with 8 of her friends. She stood in the middle and faced one of her friends. After turning 225° in an anti-clockwise direction, she was facing Friend E. Which friend was she facing at first?

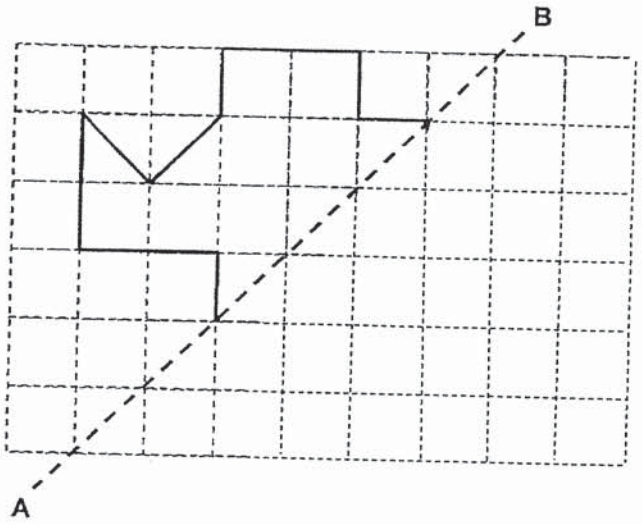


Answer : _____

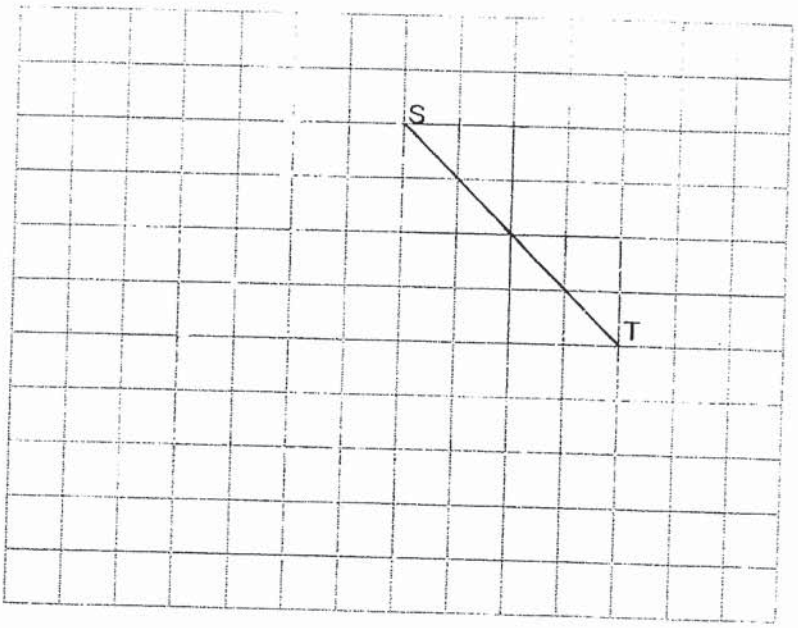
SCORE

29. Complete the following symmetric figure with line AB as the line of symmetry.

Do not write in this space



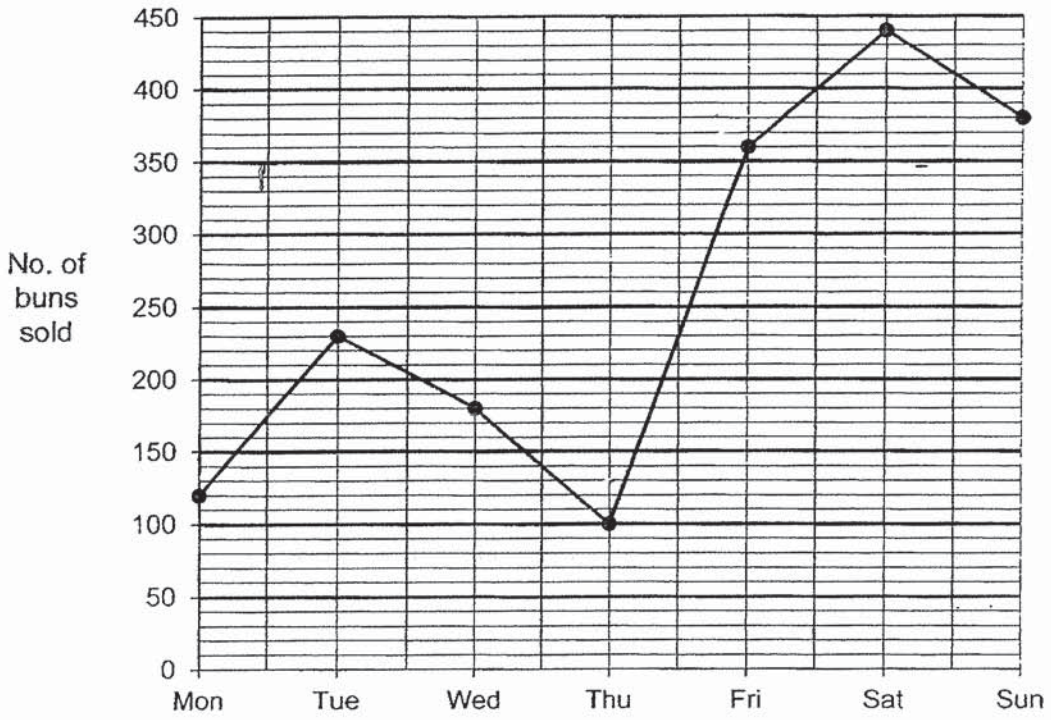
30. In the square grid below, draw a square such that ST is one side of the square.



SCORE

The line graph below shows the number of buns sold in a week.
Use the graph below to answer questions 31 and 32.

Do not write in this space



31. How many more buns were sold on Saturday than on Thursday?

Answer : _____

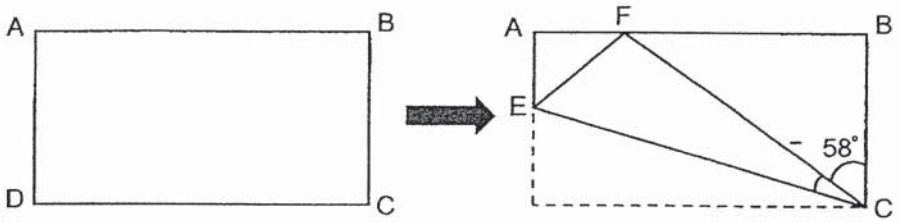
32. On which day was the number of buns sold three times as many as the number of buns sold on Monday? .

Answer : _____

SCORE

33. A piece of rectangular paper ABCD was folded as shown below.
$\angle FCB = 58°$.

Do not write in this space



Before folding

After folding

Find $\angle ECF$.

Answer : _____ °

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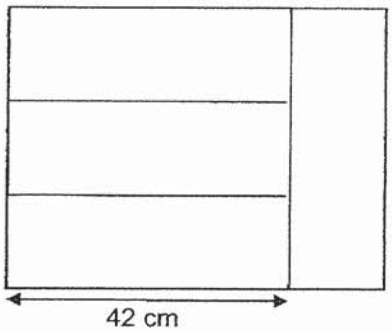
34. The figure below is made up of 4 identical rectangles. Find the area of 1 rectangle.



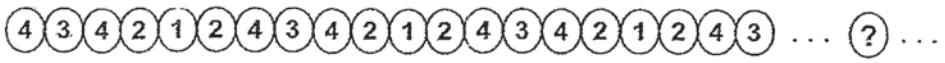
Answer : _____ cm^2

SCORE

(Go on to the next page)

35. Elaine used some number balls to arrange a pattern as shown below.

Do not write in this space



1st 2nd 98th

Which number ball was the 98th ball?

Answer : _____

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)

Do not write in this space

36. In a box of fruits, $\frac{4}{7}$ of them were apples and the rest were oranges. There were 27 oranges. How many fruits were there in the box?

Answer : _____ [3]

SCORE

37. Siti bought a television and 2 speakers. The television cost $1902. It cost 6 times as much as 1 speaker.

Do not write in this space

(a) What was the cost of 1 speaker?

(b) How much did Siti pay altogether?

Answer : (a) _____ [2]

(b) _____ [2]

SCORE

38. Peter bought a bag of potatoes. He gave the cashier $50 and received $43.85 as change.

Do not write in this space

(a) What was the cost of the bag of potatoes?

(b) Each kilogram of potato cost $3. What was the mass of the bag of potatoes? Leave your answer rounded to the nearest whole number.

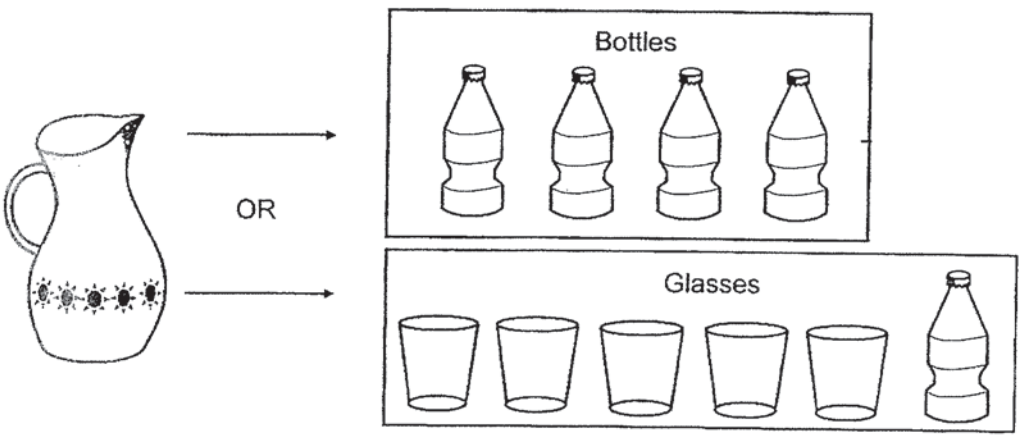
Answer : (a) _____ [2]

(b) _____ [2]

SCORE

39. Ali has a jug containing 1400 ml of water. He can fill exactly 4 bottles or 5 glasses and 1 bottle with the water. When filled, each bottle and each glass is filled to the full.

Do not write in this space



(a) What is the capacity of each bottle?

(b) What is the capacity of each glass?

Answer : (a) _____ [1]

(b) _____ [3]

SCORE

40. The table below shows the number of strawberry and chocolate cakes sold in a shop over 3 days.

Do not write in this space

Day	Number of cakes sold	
	Strawberry cakes	Chocolate cakes
Monday	10	13
Tuesday	8	14
Wednesday	2	4

(a) What was the total number of cakes sold over the 3 days?

(b) Each cake cost \$6.20. How much money did the shop collect on Wednesday?

Answer : (a) _____ [2]

(b) _____

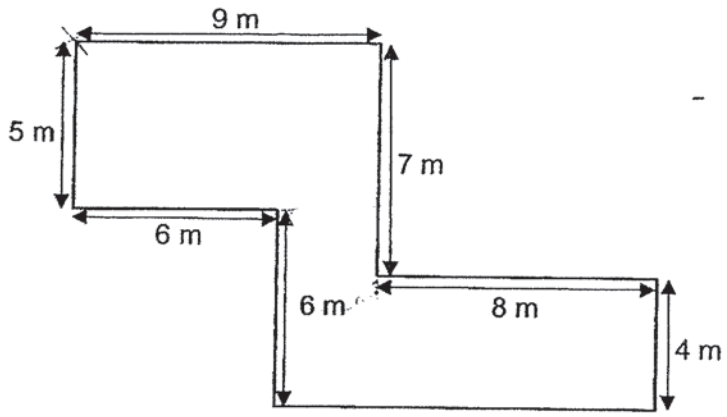
SCORE

41. Azli has a plot of land as shown in the figure below. He wants to build a fence around the plot of land.

Do not write in this space

(a) What is the total length of the fence required?

(b) What is the total area of the plot of land?



Answer : (a) _____ [2]

(b) _____ [2]

SCORE

42. 110 teachers and students participated in a charity event in school and sold 430 cups of ice-cream altogether. Each teacher sold 5 cups of ice-cream while each student sold 3 cups of ice-cream. How many students participated in the charity event?

Do not write in this space

Answer : _____. [3]

SCORE

43. Jane bought 5 markers and 3 pens. Billy bought 3 markers and 5 pens. Jane paid $1.60 more than Billy. A pen cost $1.95.

Do not write in this space

(a) How much more did a marker cost than a pen?

(b) What was the cost of a marker?

Ans: (a) _____ [2]

(b) _____ [2]

End of Paper

YEAR	:	**2019**
LEVEL	:	**PRIMARY 4**
SCHOOL	:	**PEI CHUN PUBLIC SCHOOL**
SUBJECT	:	**MATHEMATICS**
TERM	:	**SA2**

BOOKLET A

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

BOOKLET B

Q16. 9600

Q17. 11084

Q18. 982, 928, 298, 289

Q19. $\frac{2}{5}$ **and** $\frac{4}{9}$

Q20. $1\frac{1}{8}$

Q21. 0.043

Q22. 0.0205, $\frac{1}{5}$**, 0.205**

Q23. 28.68

Q24. 126 126

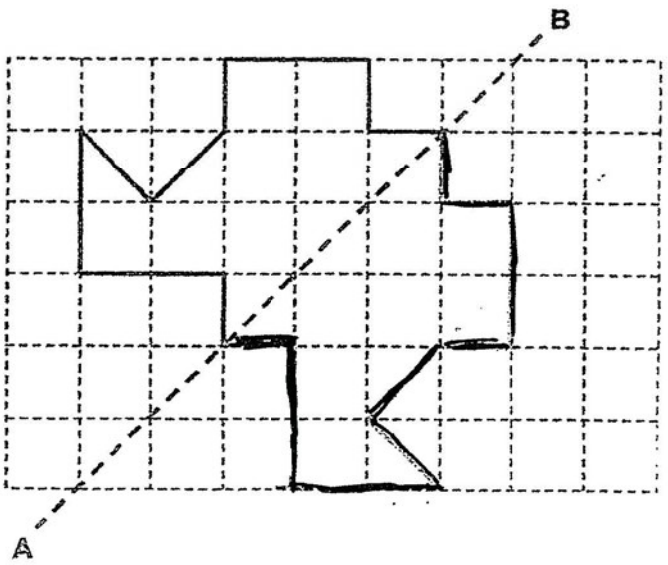
Q25. $\frac{7}{19}$

Q26. 6 km 500 m

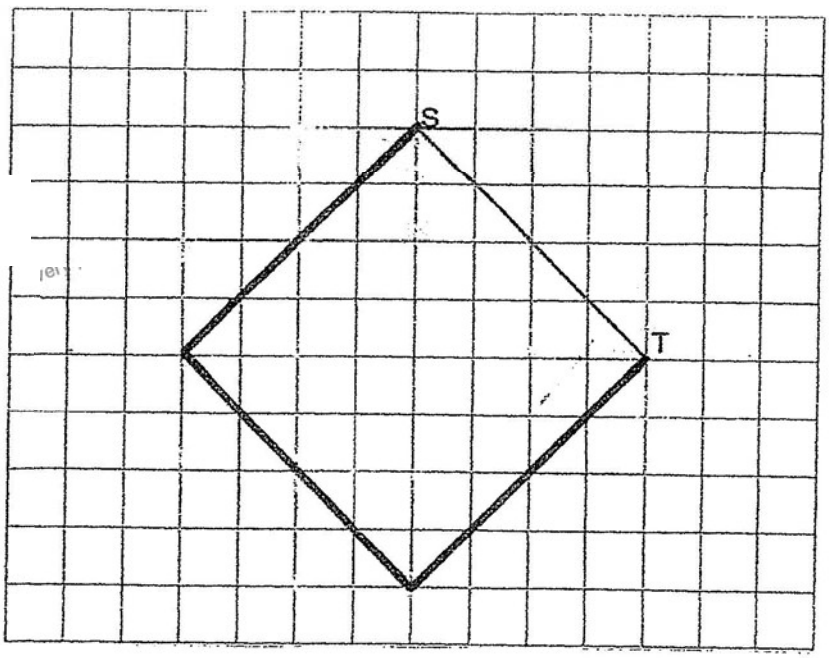
Q27. 1235

Q28. Friend B

Q29.



Q30.



Q31. 340

Q32. Friday

Q33. $16°$

Q34. $588\ cm^2$

Q35. 3

Q36. $27 \div 3 = 9$

$9 \times 7 = 63$

Q37. (a) $\$1902 \div 6 = \$317$

(b) $\$1902 + \$317 + \$317 = \$2536$

Q38. (a) $\$50 - \$43.85 = \$6.15$

(b) $\$6.15 \div \$3 = 2.05\text{kg}$

$2.05\text{kg} \approx 2\text{kg}$

Q39. (a) $1400 \div 4 = 350ml$

(b) $1400 - 350 = 1050ml$

$1050 \div 5 = 210ml$

Q40. (a) $10 + 8 + 2 + 13 + 14 + 4 = 51$

($2 + 4 = 6$

$6 \times \$6.20 = \$37.20$

Q41. (a) $9 + 7 + 8 + 4 + 11 + 6 + 6 + 5 = 56\text{m}$

(b) $9 \times 5 = 45$

$3 \times 6 = 18$

$8 \times 4 = 32$

$45 + 18 + 32 = 95\text{m}^2$

Q42. Assume all are students,

$110 \times 3 = 330$

$430 - 330 = 100$

$5 - 3 = 2$

$100 \div 2 = 50$!

$110 - 50 = 60$

Q43. (a) Difference between 1 pen and 1 marker $\rightarrow \$1.60 \div 2 = \$0.80$

(b) $\$1.95 + \$0.80 = \$2.75$

2ND.