A

PEI CHUN PUBLIC SCHOOL

End-of-Year Examination, 2022

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 : 31 October 2022

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. Which of the following is a multiple of 6?

   (1) 30

   (2) 22

   (3) 3

   (4) 16

2. In which of the following are the numbers arranged from the smallest to the greatest?

	(*smallest*)				(*greatest*)
(1)	3078	,	3708	,	3780
(2)	3780	,	3078	,	3708
(3)	3078	,	3780	,	3708
(4)	3780	,	3708	,	3078

3. Which of the following is **not** an equivalent fraction of $\frac{1}{5}$?

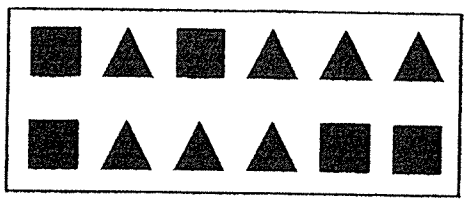
   (1) $\frac{2}{10}$

   (2) $\frac{3}{15}$

   (3) $\frac{5}{20}$

   (4) $\frac{6}{30}$

4. What fraction of the shapes in the box are ■ ?



(1) $\frac{5}{7}$

(2) $\frac{5}{12}$

(3) $\frac{7}{12}$

(4) $\frac{7}{5}$

5. Which of the following decimals is the greatest?

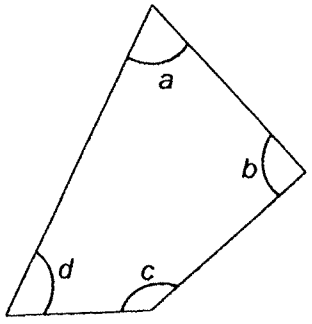
(1) 0.638

(2) 0.628

(3) 0.098

(4) 0.247

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



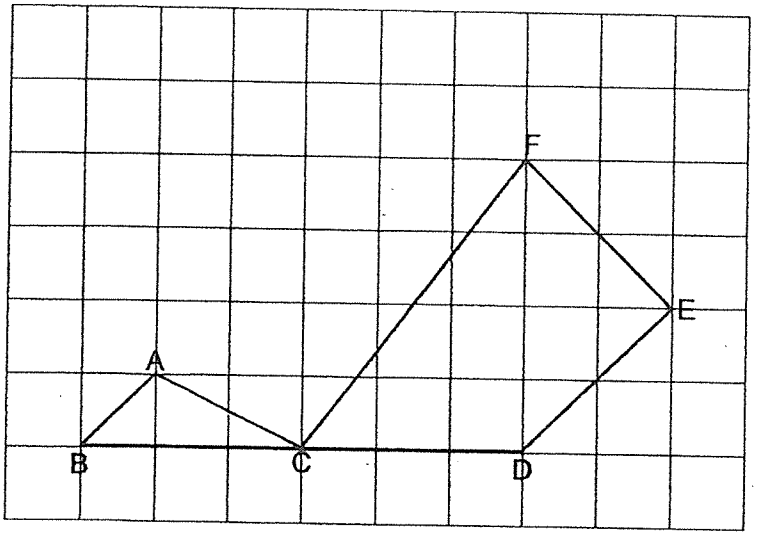
(1) $\angle a$

(2) $\angle b$

(3) $\angle c$

(4) $\angle d$

7. In the figure below, one of the lines is parallel to DE.



Which line is parallel to DE?

(1) AB

(2) AC

(3) CF

(4) EF

8. A movie lasted for 2 h 55 min. It ended at 8.05 p.m.
At what time did the movie start?

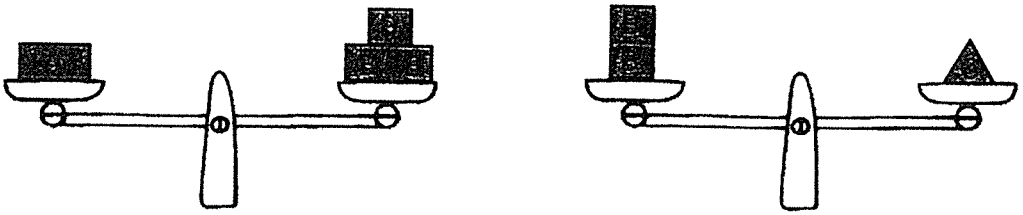
(1) 5.10 p.m.

(2) 5.50 p.m.

(3) 6.50 p.m.

(4) 11.00 p.m.

9. The figure below shows 1 object A, 5 object B and 1 object C on the balance scales.



The mass of object A is 360 g. What is the mass of object C?

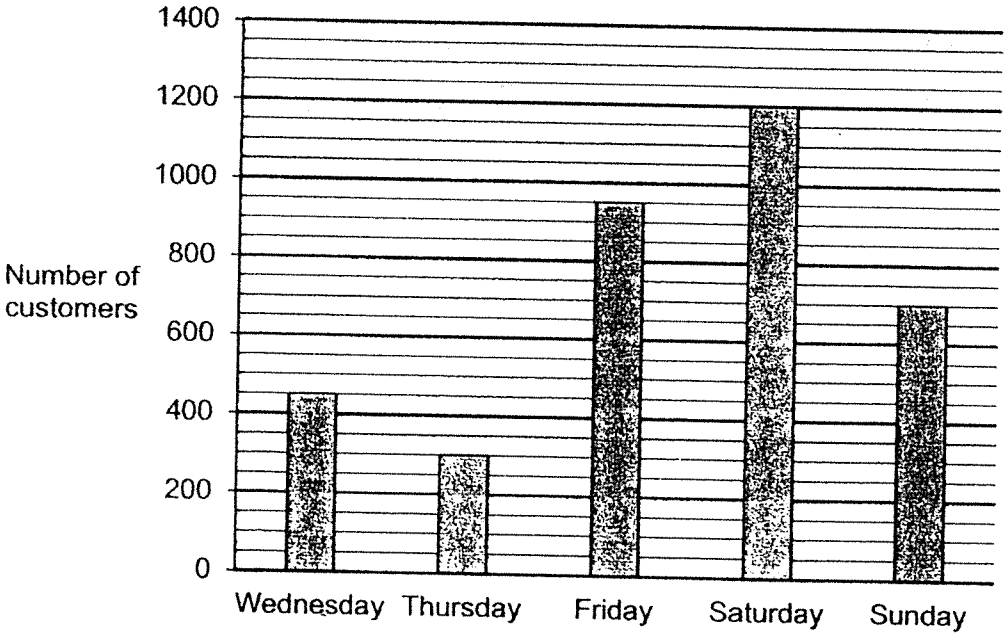
(1) 60 g

(2) 120 g

(3) 180 g

(4) 240 g

10. The bar graph below shows the number of customers who visited the supermarket on different days of the week.



How many customers visited the supermarket from Friday to Sunday?

(1) 900

(2) 950

(3) 1650

(4) 2850

11. Siva mixed 0.8 ℓ of orange syrup with 1.6 ℓ of water. He then poured the orange mixture equally into 8 similar cups. How much orange mixture did each cup contain?

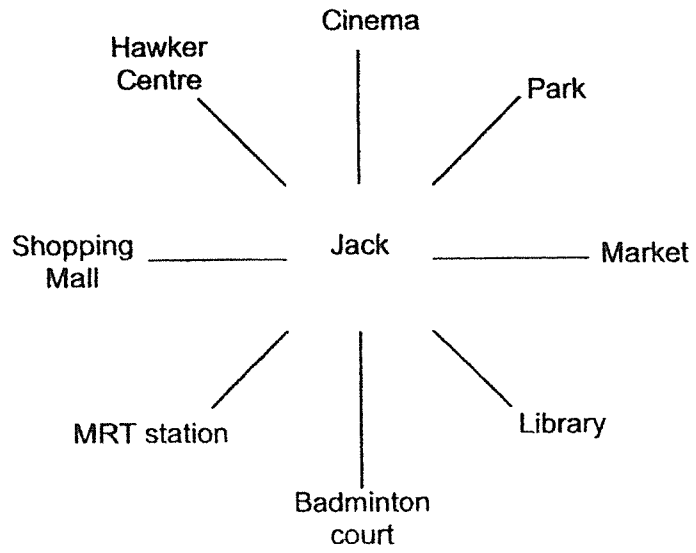
(1) 0.1 ℓ

(2) 0.2 ℓ

(3) 0.3 ℓ

(4) 2.4 ℓ

12. Jack turned 135° anti-clockwise and faced the shopping mall.



Where was he facing at first?

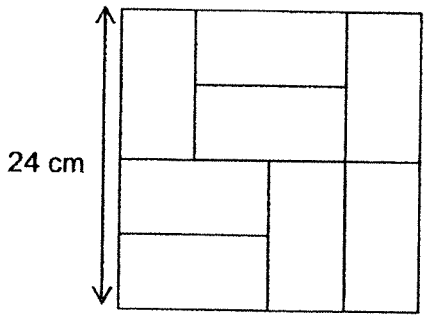
(1) Park

(2) Library

(3) Market

(4) Cinema

13. The figure below is made up of 8 identical rectangles. The length of one side of the figure is 24 cm.



What is the area of 1 rectangle?

(1) 36 cm^2

(2) 48 cm^2

(3) 72 cm^2

(4) 128 cm^2

14. Bala had some money. He wanted to buy 5 toys cars but was short of $1.50. In the end, he bought 2 such toy cars and had $12 left. How much money did a toy car cost?

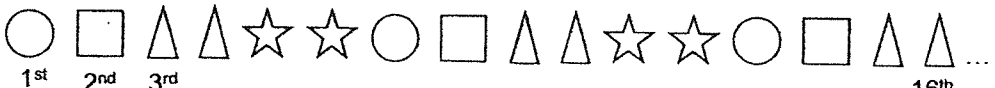
(1) $2.10

(2) $2.70

(3) $4

(4) $4.50

15. Sharleen used 4 different shapes to form a pattern.
The first 16 shapes were shown below.



What shape was in the 51st position?

(1) ○

(2) ☆

(3) △

(4) □

B

PEI CHUN PUBLIC SCHOOL

End-of-Year Examination, 2022

MATHEMATICS

PRIMARY 4

BOOKLET B

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

Name : _____ ( )

Class : Primary 4 / _____

Date : 31 October 2022

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. $12\,308 = 10\,000 + 2000 + \underline{\quad ? \quad} + 8$

What is the missing number?

Answer : _____

17. Round 84 620 to the nearest hundred.

Answer : _____

18. Find the product of 2490 and 7.

Answer : _____

19. What is the value of $\frac{8}{9} + \frac{1}{3}$?

Express your answer as a mixed number.

Answer : _____

SCORE

Do not write in this space

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

$$\frac{5}{8} \quad , \quad \frac{3}{4} \quad , \quad \frac{1}{2}$$

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

21. Write 4 thousandths as a decimal.

Answer : _____

22. Express 0.3 as a fraction.

Answer : _____

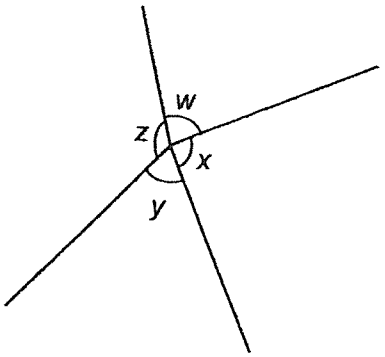
23. Round 12.51 to the nearest whole number.

Answer : _____

SCORE

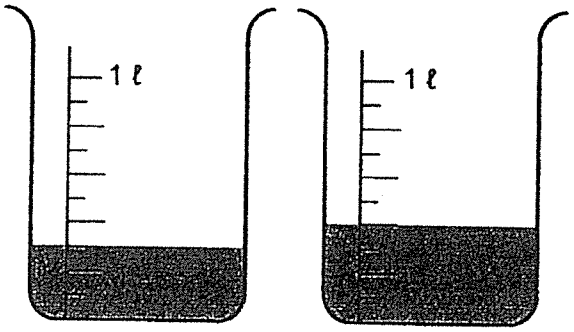
Do not write in this space

24. In the figure below, name the smallest angle.



Answer : ∠ _____

25. There is some water in the beakers shown below.



How much **more** water is needed to make 2 ℓ?
Leave your answer in litres and millilitres.

Answer : _____ ℓ _____ ml

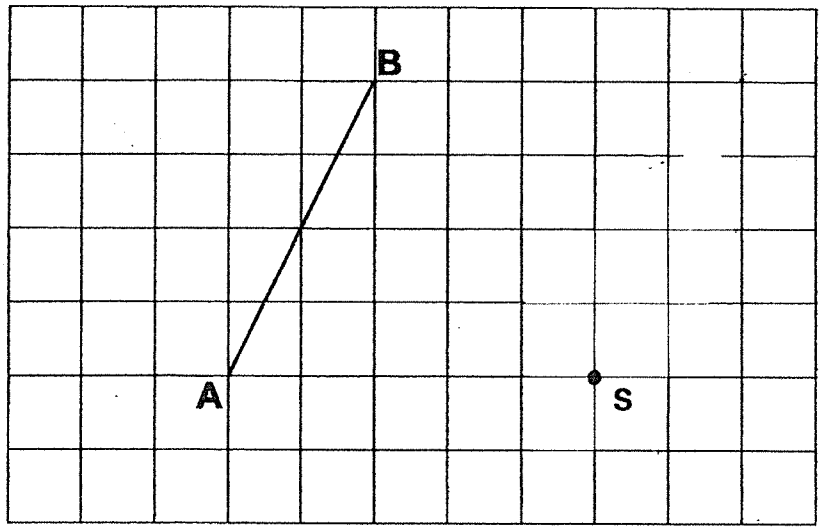
26. The area of a square is 64 cm^2. What is the perimeter of the square?

Answer : _____ cm

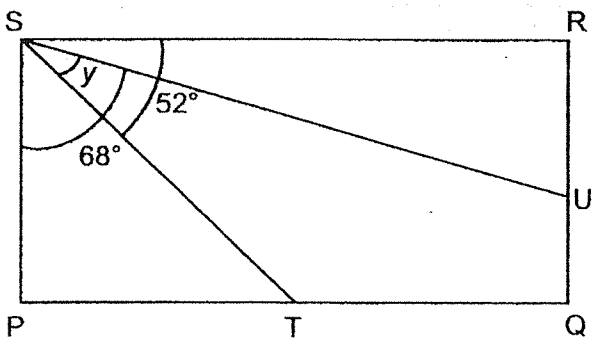
SCORE

Do not write in this space

27. In the grid given below, draw a line that is perpendicular to AB through the point S.



28. In the figure below, PQRS is a rectangle. $\angle RST = 52°$ and $\angle PSU = 68°$.



Find $\angle y$.

Answer : _____ °

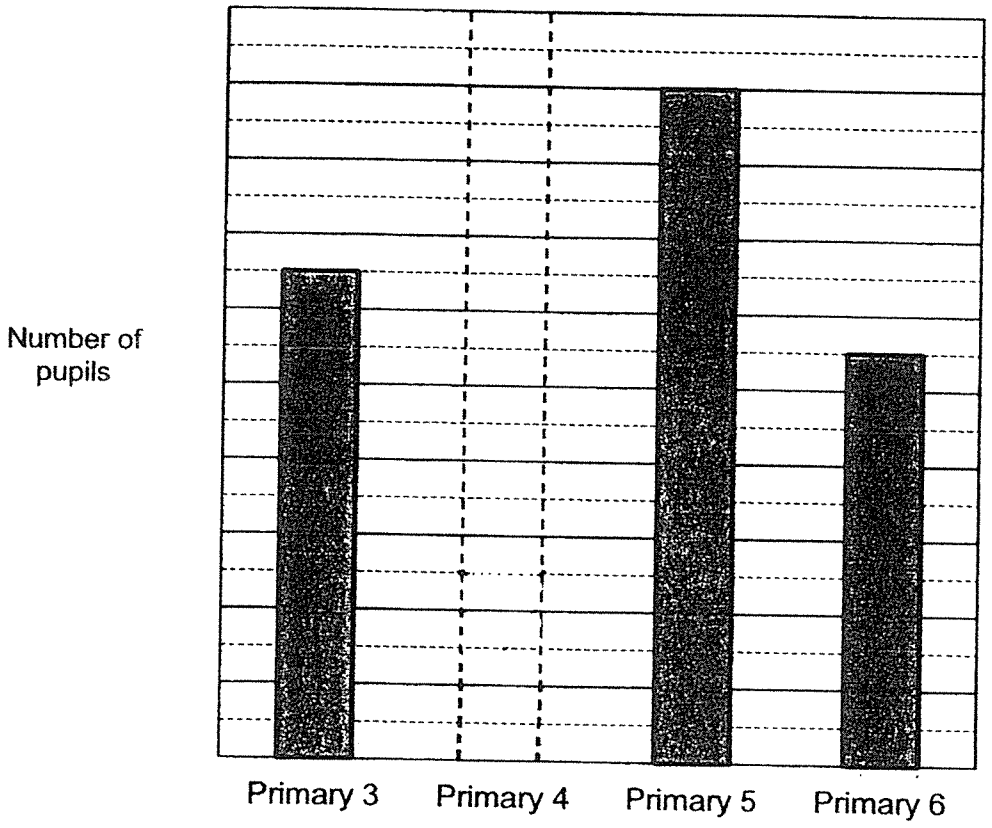
SCORE

29. The table below shows the number of pupils in a school who wear spectacles. A blob of ink covered the table showing the number of Primary 4 pupils who wear spectacles. There were 30 more Primary 6 pupils who wear spectacles than Primary 4 pupils who wear spectacles.

Do not write in this space

Primary	3	4	5	6
Number of pupils	65		90	55

Draw the bar graph below for the number of Primary 4 pupils who wear spectacles.



SCORE

Do not write in this space

30. Sally had $\frac{2}{5}$ kg of sugar. She used $\frac{3}{10}$ kg to bake a cake.

How much sugar had she left?

Answer : _____ kg

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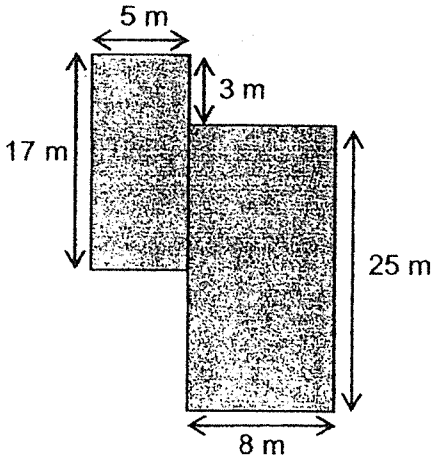
31. The figure below is made up of 2 different rectangles.
What is the perimeter of the figure?



Answer : _____ m

SCORE

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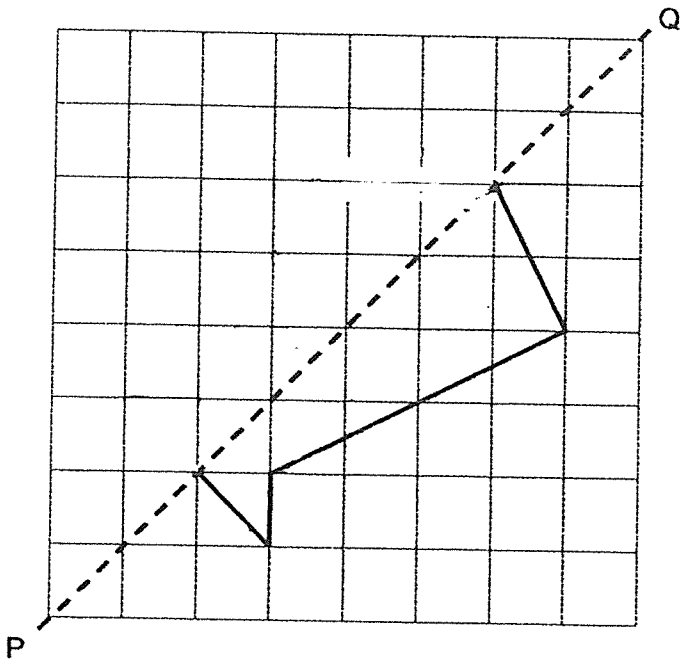
Do not write in this space

32. Complete the symmetric figure using 4 lines with PQ as the line of symmetry.



33. Jacob had some money. He spent $\frac{1}{4}$ of his money on a book and $\frac{1}{8}$ of it on a pencil case. He spent \$0.70 more on the book than the pencil case. How much money did Jacob have at first?

Answer : \$ _____

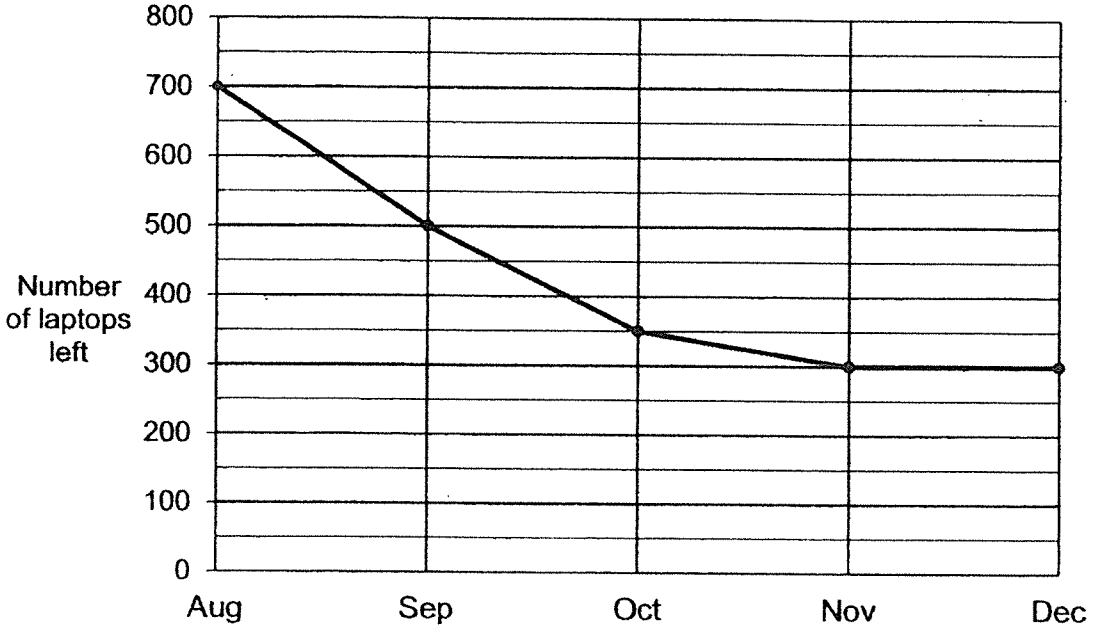
34. Ken has 357 stamps and Yi Heng has 553 stamps. How many stamps must Yi Heng give to Ken so that both of them will have the same number of stamps in the end?

Answer : _____

SCORE

Do not write in this space

35. In Mr Wong's shop, there were 1000 laptops for sale from August to December. The line graph below shows the number of laptops left in his shop at the end of each month.



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

Statement	True	False	Not possible to tell
Mr Wong sold the same number of laptops in November and December.			
Mr Wong sold the greatest number of laptops in September.			

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. Thomas had 10 identical boxes of cards. There were 25 cards in each box.

(a) How many cards did Thomas have?

Answer : (a) _____ [1]

(b) He then packed the cards into as many packets of 9 as he could. He had some cards left unpacked. How many cards were left unpacked?

Answer : (b) _____ [2]

SCORE

37. Kaijie, Mandy and Ian had $190.30 altogether. Kaijie had $2.50 more than Mandy. Ian had twice as much money as Mandy. How much money did Mandy have?

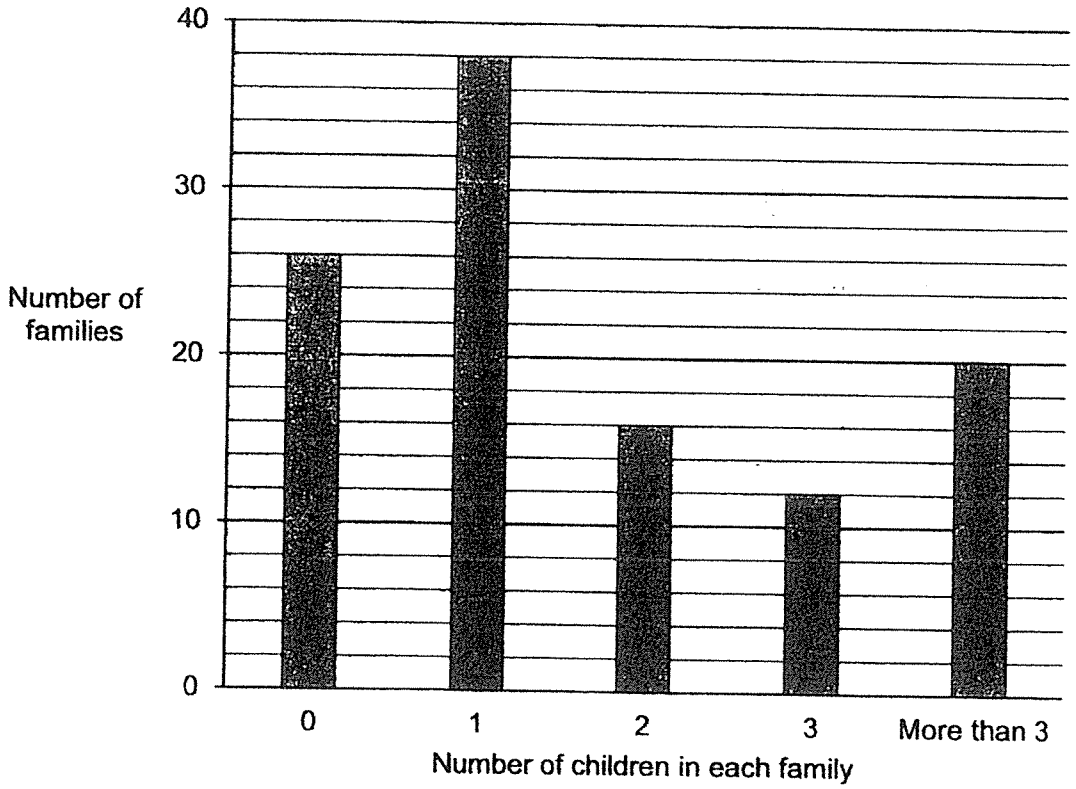
Do not write in this space

Answer : _____ [3]

SCORE

38. The bar graph below shows the number of families with different number of children.

Do not write in this space



(a) Find the difference between the number of families with 1 child and the number of families with no children.

Answer : (a) _____ [2]

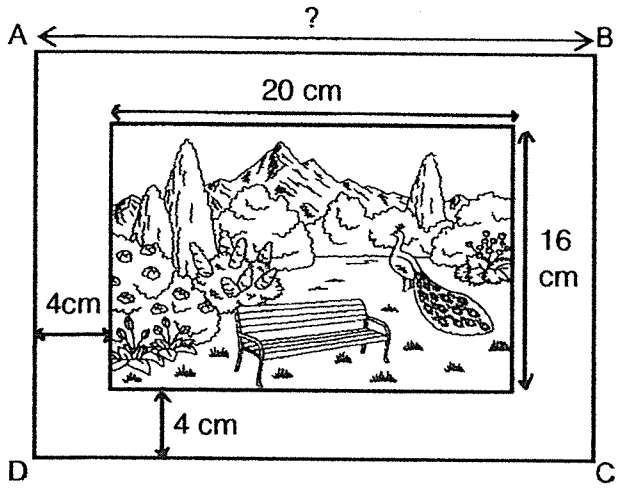
(b) What is the total number of families with fewer than 3 children?

Answer : (b) _____ [2]

SCORE

Do not write in this space

39. A rectangular picture 20 cm by 16 cm is mounted onto a rectangular frame, ABCD, leaving a border of 4 cm around it.



(a) What is the length of the rectangular frame, AB?

Answer : (a) _____ [1]

(b) What is the area of the border?

Answer : (b) _____ [3]

SCORE

40. Randy had three times as many stamps as Larson. After Randy gave away 105 of his stamps, Larson had twice as many stamps as Randy.

Do not write in this space

(a) How many stamps did Randy have in the end?

Answer : (a) _____ [2]

(b) How many stamps did Larson have?

Answer : (b) _____ [2]

SCORE

Do not write in this space

41. Betty spent $\frac{4}{5}$ of her money on a dress. The dress cost \$120. She spent the rest of her money on some t-shirts.

(a) What fraction of her money did she spend on the t-shirts?

Answer : (a) _____ [1]

(b) Each t-shirt cost \$6. How many t-shirts did she buy?

Answer : (b) _____ [3]

SCORE

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42. Bala bought 4 pens and 2 pencils. Ming Jie bought 2 pens and 4 pencils. Bala paid $2.40 more than Ming Jie. A pencil cost $1.35.

Do not write in this space

(a) What was the cost of a pen?

Answer : (a) _____ [2]

(b) How much more did a pen cost than a pencil?

Answer : (b) _____ [2]

SCORE

43. Kim bought an equal number of cupcakes and cookies. He spent $168 more on the cupcakes than on the cookies. A cupcake cost $5 and a cookie cost $2.

Do not write in this space

(a) How many cookies did he buy?

Answer : (a) _____ [2]

(b) How much did he spend on the cupcakes?

Answer : (b) _____ [2]

End of Paper

Set by : Mr Bernard Chu

SCORE

ANSWER KEY

YEAR : 2022

LEVEL : PRIMARY 4

SCHOOL : Pei Chun Public School

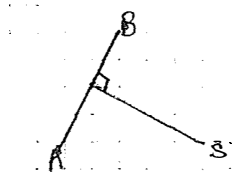
SUBJECT : MATHEMATICS

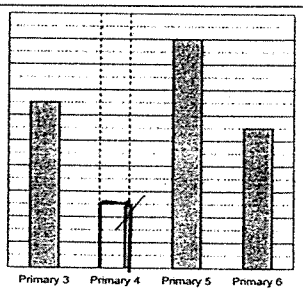
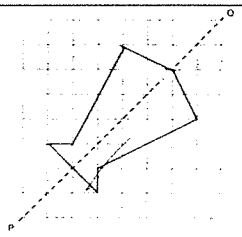
TERM : End of Year Examination

Booklet A

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

Booklet B

Q16	Ans : 300	Q17	Ans : 84 600
Q18	Ans : 17 430	Q19	$\frac{8}{9}+\frac{3}{9}=1\frac{2}{9}$ Ans : $1\frac{2}{9}$
Q20	Ans : $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$	Q21	Ans : 0.004
Q22	Ans : $\frac{3}{10}$	Q23	Ans : 13
Q24	Ans : y	Q25	Ans : 1 L 300 ml
Q26	8×8=64 8×4=32 Ans : 32	Q27	

Q28	90-68=22 52-22=30 Ans : 30	Q29	
Q30	$\frac{2}{5}-\frac{3}{10}=\frac{1}{10}$ Ans : $\frac{1}{10}$	Q31	5+3+8+25+8+11+5+17=82 Ans : 82
Q32		Q33	$\frac{1}{4}-\frac{1}{8}=\frac{1}{8}$ 0.70×8=5.60 Ans : 5.60
Q34	553-357=196 196÷2=98 Ans : 98	Q35	Ans : False False
Q36	(a) 25×10 = 250 (b) 250÷9=27R7 Ans : (a) 250 (b) 7	Q37	190.30-2.50=187.80 187.80÷4=46.95 Ans : $ 46.95
Q38	(a) 12 (b) 38+26+16=80 Ans : (a) 12 (b) 80	Q39	(a) 20+8=28 (b) 28×24=672 16×20=320 672-320=352 Ans : (a) 28cm (b) 352cm^2

Q40	(a) 105÷5=21 (b) 21×2=42 Ans : (a) 21 (b) 42	Q41	(a) $1-\frac{4}{5}=\frac{1}{5}$ (b) 120÷4=30 30÷6=5 Ans : (a) $\frac{1}{5}$ (b) 5
Q42	(a) (2×1.35)+2.40=5.10 5.10÷2=2.55 (b) 2.55-1.35=1.20 Ans : (a) $2.55 (b) $1.20	Q43	(a) 5-2=3 168÷3=56 (b) 56×5=280 Ans : (a) 56 (b) $280

END