PAYA LEBAR METHODIST GIRLS' SCHOOL (PRIMARY)

END-OF-YEAR EXAMINATON 2022

PRIMARY FOUR

MATHEMATICS
Paper 1

Name: _____ ( )

Class: Primary 4 _____

Date: 31 October 2022

Total Time for Sections A, B and C: 1 hour 45 minutes

INSTRUCTIONS TO CANDIDATES

1. Do not turn over this page until you are told to do so.
2. Follow all the instructions carefully.
3. Answer all questions.
4. Shade your answers in the Optical Answer Sheet (OAS) provided.
5. All the figures in this paper are **not drawn to scale** unless stated otherwise.

	Marks Obtained / Maximum Marks
SECTION A	/ 32
SECTION B	/ 40
SECTION C	/ 28
TOTAL	/ 100

PARENT'S SIGNATURE: _____

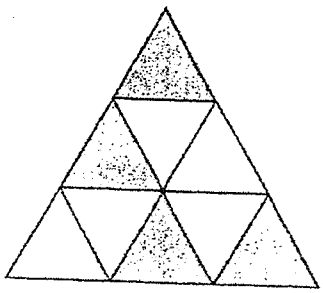
Questions 1 to 16 carry 2 marks each. For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet. (32 marks)

1. 42 thousands and 8 tens is the same as _____.

(1) 428
(2) 4280
(3) 42 008
(4) 42 080

( )

2. The figure shown is made up of identical triangles.



What fraction of the figure is shaded?

(1) $\frac{4}{5}$
(2) $\frac{4}{8}$
(3) $\frac{4}{9}$
(4) $\frac{5}{9}$

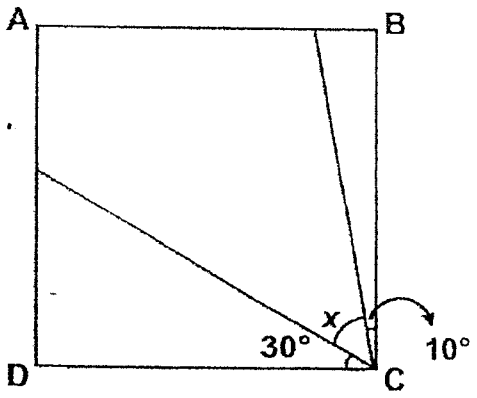
( )

3. In the number 85.76, the digit _____ is in the hundredths place.

(1) 5
(2) 6
(3) 7
(4) 8

( )

4. In the figure shown, ABCD is a square. Find $\angle x$.



(1) 80° (2) 60°

(3) 50° (4) 40° ( )

5. How many one-quarters are there in 3 wholes?

(1) $\frac{3}{4}$ (2) $1\frac{1}{3}$

(3) 12 (4) 4 ( )

6. Which of the following is a factor of both 12 and 80?

(1) 10 (2) 9

(3) 6 (4) 4 ( )

7. The table shows the time taken by 4 boys to run 400 m.

Name	Time Taken
Alan	1 min 10 s
Bala	1 min 8 s
Carl	70 s
Dong Le	66 s

Who was the fastest runner?

(1) Alan (2) Bala

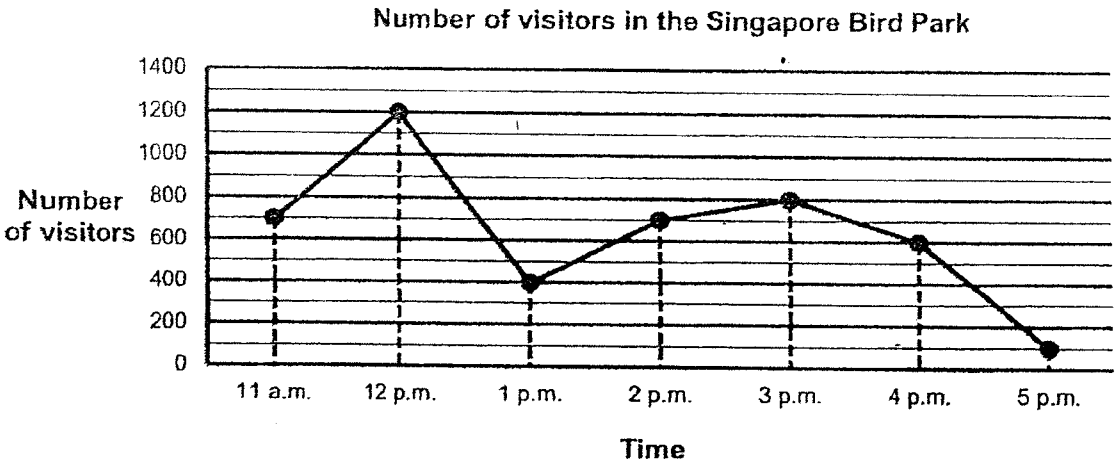
(3) Carl (4) Dong Le ( )

8. Peter bought one bottle of oil. He used $\frac{2}{3}$ of the bottle of oil to fry some chicken wings and $\frac{1}{12}$ of it to bake muffins. How much oil was left in the bottle?

(1) $\frac{1}{3}$ (2) $\frac{1}{4}$

(3) $\frac{3}{4}$ (4) $\frac{7}{12}$ ( )

9. The line graph shows the number of visitors who visited the Singapore Bird Park on Saturday from 11 a.m. to 5 p.m.



In which one-hour period did the number of visitors decrease the most?

(1) 12 p.m. to 1 p.m. (2) 1 p.m. to 2 p.m.

(3) 3 p.m. to 4 p.m. (4) 4 p.m. to 5 p.m. ( )

10. Express $7\frac{3}{20}$ as a decimal.

(1) 7.3 (2) 7.32

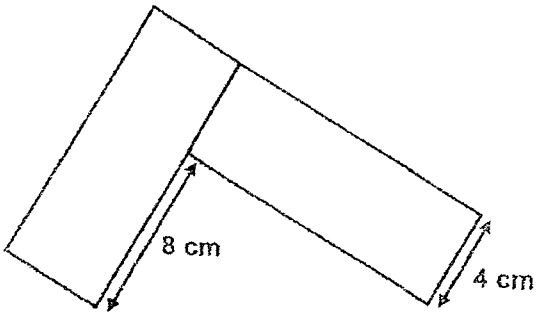
(3) 7.15 (4) 7.015 ( )

11. Joshua went for a movie which started at 20 30. The movie ended at 23 15. How long was the movie?

(1) 2 h 15 min (2) 2 h 45 min

(3) 3 h 15 min (4) 3 h 45 min ( )

12. The figure below is made up of 2 identical rectangles. What is the area of the figure?



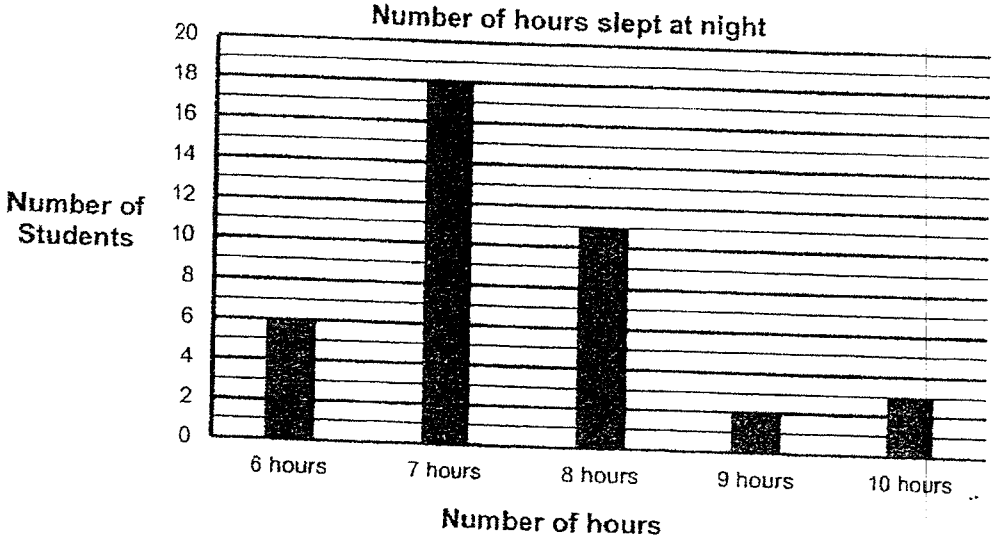
(1) 96 cm^2

(2) 64 cm^2

(3) 48 cm^2

(4) 32 cm^2 ( )

13. Miss Tan conducted a survey to find out the number of hours her pupils slept at night. The bar graph below shows the results of the survey conducted.



How many students slept less than 8 hours?

(1) 35

(2) 24

(3) 18

(4) 11 ( )

14. How many letters in the following word have at least one line of symmetry?

S H I N E

(1) 5 (2) 2

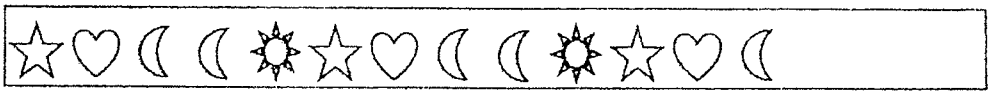
(3) 3 (4) 4 ( )

15. Round $83.62 to the nearest ten dollar.

(1) $80 (2) $83

(3) $84 (4) $90 ( )

16. Study the shape pattern below. Which shape is found in the 115th position?



1st ... 115th

(1) ☆ (2) ♡

(3) ☾ (4) ☼ ( )

End of Booklet A

PAYA LEBAR METHODIST GIRLS' SCHOOL (PRIMARY)

END–OF–YEAR EXAMINATON 2022

PRIMARY FOUR

MATHEMATICS
Paper 2

Name: _____ ( )

Class: Primary 4 _____

Date: 31 October 2022

Total Time for Sections A, B and C: 1 hour 45 minutes

INSTRUCTIONS TO CANDIDATES

1. Do not turn over this page until you are told to do so.
2. Follow all the instructions carefully.
3. Answer all questions.
4. All the figures in this paper are **not drawn to scale** unless stated otherwise.

	Marks Obtained / Maximum Marks
SECTION B	/ 40
SECTION C	/ 28
TOTAL	/ 68

SECTION B

Questions 17 to 36 carry 2 marks each. 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

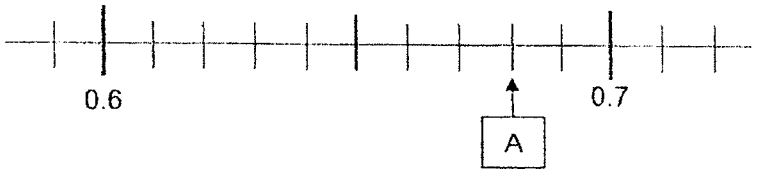
17. Round 35 620 to the nearest hundred.

Ans: _____

18. Write $\frac{17}{4}$ as a mixed number.

Ans: _____

19. Write the decimal represented by A.



Ans: _____

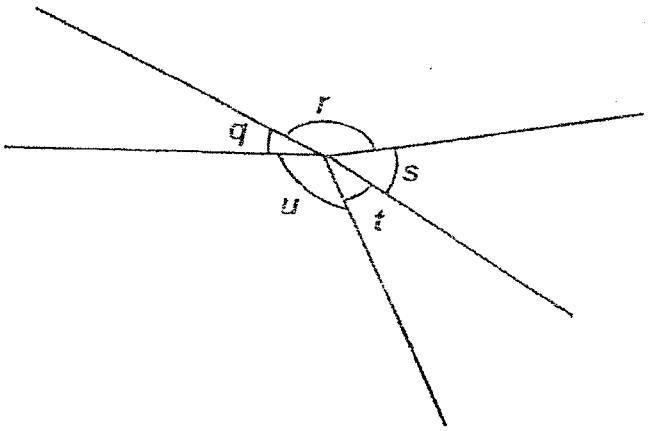
20. Arrange the following numbers from the smallest to the greatest.

3902	3092	3920

Ans: _____ (smallest), _____, _____ (greatest)

Do not write in this space

21. In the figure, name the two angles that are greater than 90°.



Ans: ∠_____ and ∠_____

22. $\frac{3}{5} - \frac{2}{10} =$ ☐

Ans: _____

23. $7.2 - 0.45 =$ ☐

Ans: _____

24. What is the remainder when 4013 is divided by 6?

Ans: _____

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

Do not write in this space

$\frac{2}{3}$	$\frac{1}{2}$	$\frac{5}{6}$

Ans: _____ (greatest), _____, _____ (smallest)

26. The area of a rectangle is 48 cm^2. The length of the rectangle is 8 cm. What is the breadth of the rectangle?

Ans: _____ cm

27. When a number with **1 decimal place** is rounded to the nearest whole number, the answer is 89.

(a) What is the greatest possible number?

Ans: (a) _____

(b) What is the smallest possible number?

Ans: (b) _____

Do not write in this space

28. The table shows the number of boys and girls in two Primary 4 classes who wear or do not wear spectacles.

Class	Number of boys		Number of girls		Total
	Wears spectacles	Does not wear spectacles	Wears spectacles	Does not wear spectacles	
Primary 4A	9	14	7	?	42
Primary 4B	12	8	11	10	41

(a) How many boys from both classes wear spectacles?

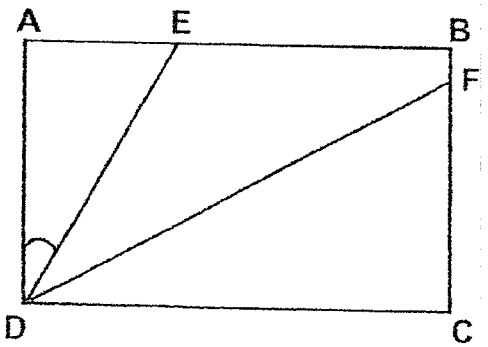
Ans: (a) _____

(b) How many girls from Primary 4A do not wear spectacles?

Ans: (b) _____

29. ABCD is a rectangle. $\angle ADE = \angle EDF = \angle FDC$.

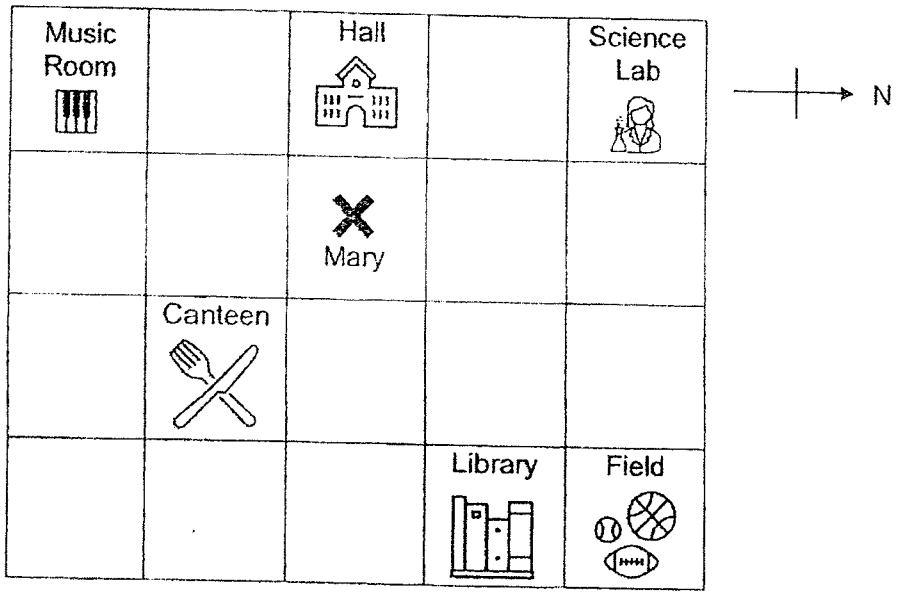
Find $\angle ADE$.



Ans: _____ °

Do not write in this space

30. The square grid shows different locations in a school.



(a) In which direction is the Science Lab from the Hall?

Ans: (a) _____

(b) Mary is standing at Point X, facing the Canteen.
She makes a 90° turn anti-clockwise.
Where will she be facing after making the turn?

Ans: (b) _____

31. The perimeter of a square is 72 cm. What is the area of the square?

Ans: _____ cm^2

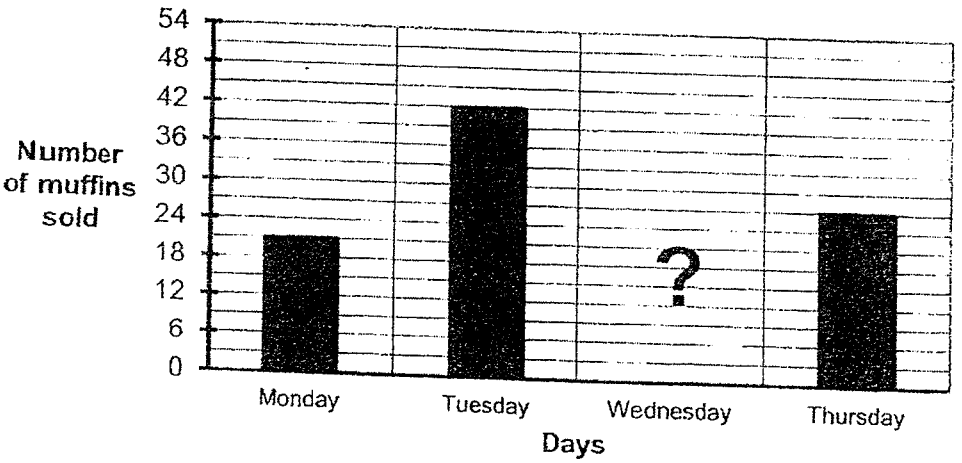
32. Mrs Tan took 15 minutes to walk home from the supermarket. She left the supermarket at 1.50 p.m. What time did she reach home? Express the time using the 24-hour clock.

Do not write in this space

Ans: _____

33. Bobby had some muffins.

The graph below shows the number of muffins sold by Bobby in 4 days.



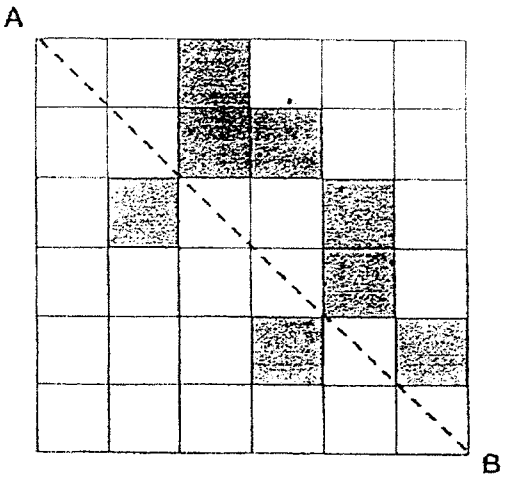
$\frac{3}{4}$ of the total muffins were sold on Monday, Tuesday and Thursday.

How many muffins were sold on Wednesday?

Ans: _____

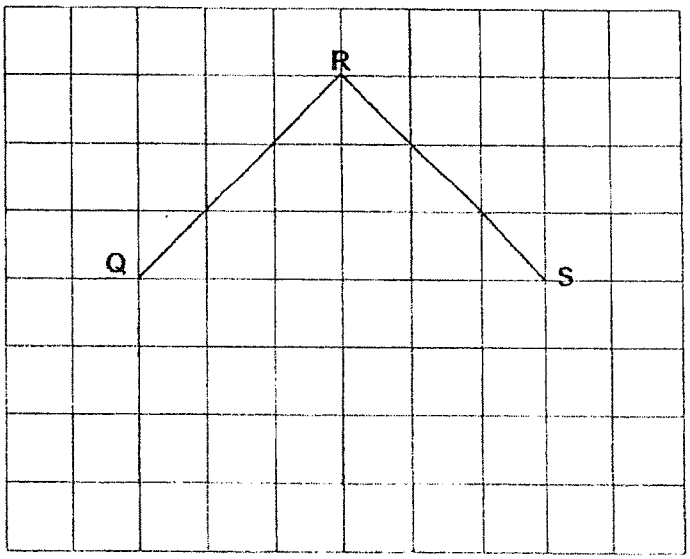
Do not write in this space

34. What is the least number of squares needed to be shaded so that the line AB is a line of symmetry for the figure?



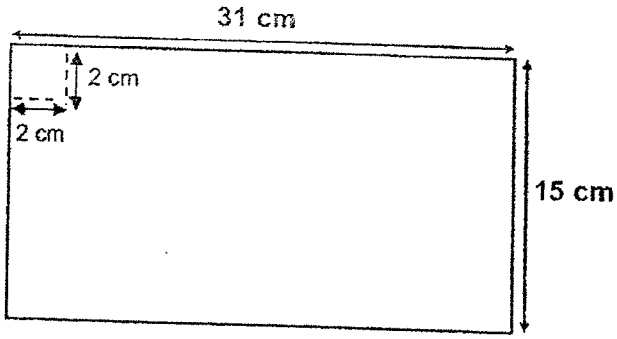
Ans: _____

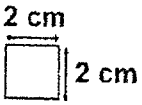
35. Complete the drawing of Square QRST and label the Point T.



36. Javier has a rectangular paper measuring 31 cm by 15 cm as shown below. He wants to cut out small squares measuring 2 cm by 2 cm from the piece of rectangular paper. What is the greatest number of small squares that Javier can cut out?

Do not write in this space





Ans: _____

SECTION C

Do not write in this space

For questions **37** 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.

(28 marks)

37. Shop X sold 4 times as many cars as Shop Y.

Shop Y sold twice as many cars as Shop Z.

Shop Z sold 602 fewer cars than Shop X.

(a) How many cars did Shop Z sell?

Ans: (a) _____ [2]

(b) How many cars did the three shops sell altogether?

Ans: (b) _____ [2]

38. Belicia mixed 1.43 ℓ of orange syrup with 8 ℓ of water to make an orange drink. The orange drink was then poured into 7 identical jugs.

Do not write in this space

(a) How many litres of orange drink were there in total?

Ans: (a) _____ [2]

(b) How many litres of orange drink were there in each jug? Round your answer to 2 decimal places.

Ans: (b) _____ [2]

39. Jamie read $\frac{2}{9}$ of a book on Monday, $\frac{1}{3}$ of the book on Tuesday and the remaining pages on Wednesday. She read 25 more pages on Tuesday than on Monday.

Do not write in this space

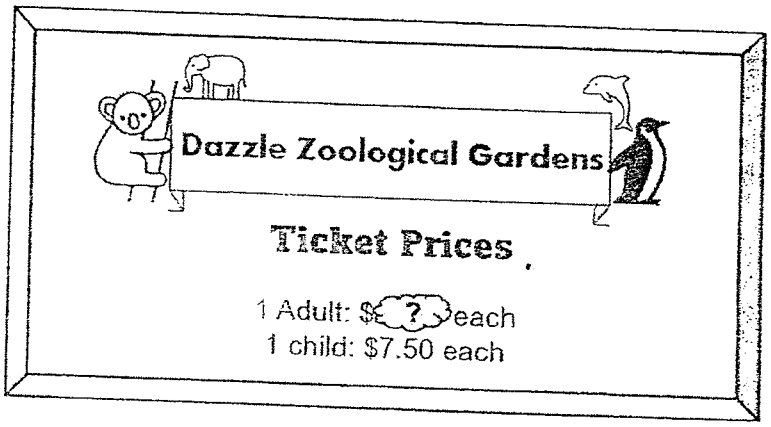
(a) What fraction of the book did she read on Wednesday?

Ans: (a) _____ [1]

(b) How many pages were there in the book?

Ans: (b) _____ [3]

40. Use the information below to answer question 40.



Mr. and Mrs. Lee brought their 5 children to Dazzle Zoological Gardens. They paid $67.50 in total for their tickets.

(a) How much did the tickets for 5 children cost?

Ans: (a) _____ [2]

(b) Find the cost of 1 adult ticket.

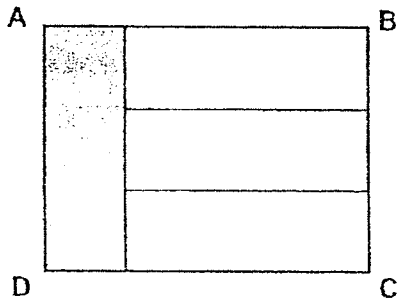
Ans: (b) _____ [2]

Do not write in this space

41. Rectangle ABCD is made up of 4 identical rectangles.

Do not write in this space

The perimeter of the shaded rectangle is 48 cm.



(a) What is the area of the shaded rectangle?

Ans: (a) _____ [2]

(b) What is the perimeter of rectangle ABCD?

Ans: (b) _____ [2]

12. The table below shows the number of dots and arrows used to form each figure.

Do not write in this space

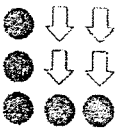
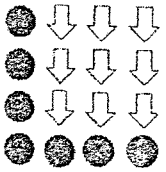
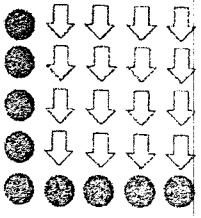
Figure 1	Figure 2	Figure 3	Figure 4
			

Figure Number	Number of dots	Number of arrows
1	3	1
2	5	4
3	7	9
4	9	16
⋮	⋮	⋮
6	(a) _____	(a) _____

[1]

(a) Complete the table for Figure 6.

(b) Which figure would have a total of 43 dots?

Ans: (b) _____ [2]

(c) How many arrows would be used for Figure 20?

Ans: (c) _____ [1]

Do not write in this space

43. Poppy paid $375 for 4 similar watches and 5 similar headphones. Melody paid $160 less for 2 similar watches and 3 similar headphones.

(a) What was the cost of 2 similar watches and 3 similar headphones?

Ans: (a) _____ [1]

(b) What was the cost of a headphone?

Ans: (b) _____ [3]

End of Paper 2

YEAR : 2022
LEVEL : PRIMARY 4
SCHOOL : PAYA LEBAR METHODIST GIRLS' SCHOOL
SUBJECT : MATHEMATICS
TERM : END OF YEAR EXAMINATION

(PAPER 1)

Q1	4	Q2	3	Q3	2	Q4	3	Q5	3
Q6	4	Q7	4	Q8	2	Q9	1	Q10	3
Q11	2	Q12	1	Q13	2	Q14	3	Q15	1
Q16	4								

(PAPER 2)

Q17	35 600	Q18	$4\frac{1}{4}$
Q19	0.68	Q20	3092, 3902, 3920
Q21	r and u	Q22	$\frac{2}{5}$
Q23	6.75	Q24	5
Q25	$\frac{5}{6}, \frac{2}{3}, \frac{1}{2}$	Q26	6cm
Q27	(a) 89.4 (b) 88.5	Q28	(a) 9 + 12 = 21 (b) 9 + 14 + 7 = 30 42 − 30 = 12
Q29	90 ÷ 3 = 30°	Q30	(a) north (b) field
Q31	72 ÷ 4 = 18 18 x 18 = 324cm^2	Q32	2.05 p.m. : 14 05
Q33	21 + 42 + 27 = 90 90 ÷ 3 = 30	Q34	4
Q35		Q36	31 ÷ 2 = 15 R1 15 ÷ 2 = 7 R1 15 x 7 = 105
Q37	(a) 602 ÷ 7 = 86 (b) 86 x 11 = 946	Q38	(a)8ℓ + 1.43ℓ = 9.43 ℓ (b) 9.43 ÷ 7 = 1.347 ≈ 1. 35 ℓ
Q39	(a) $\frac{4}{9}$ (b) 25 x 9 = 225	Q40	(a)$7.50 x 5 = $37.50 (b) 67.50 − 37.50 = $30 30 ÷ 2 = $15
Q41	(a) 48 ÷ 22 ÷ 4 = 6 (6 x 3) x 6 = 108cm^2 (b) (6 + 6 + 6 +6 + 18) x 2 = 84cm	Q42	(a) 13 (a) 36 (b) (43 − 1) ÷ 2 = 21 (c) 20 x 20 = 400
Q43	(a) 375 − 160 = $215 (b) 215 x 2 = 430 430 − 375 = $55		