PAYA LEBAR METHODIST GIRLS' SCHOOL (PRIMARY)

SEMESTRAL ASSESSMENT TWO, 2019

PRIMARY FOUR

MATHEMATICS
Paper 1

Name: _____ ( )

Class: Primary 4 _____

Date: 31 Oct 2019

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)

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1. Eighty-four thousand and fifty-two in figures is _____.

(1) 8452 (2) 84 052

(3) 84 502 (4) 84 520 ( )

2. How many one-fifths are there in 2 wholes?

(1) $\frac{2}{5}$ (2) $2\frac{1}{2}$

(3) 5 (4) 10 ( )

3. Express 0.06 as a fraction in its simplest form.

(1) $\frac{3}{50}$ (2) $\frac{3}{5}$

(3) $\frac{1}{10}$ (4) $\frac{1}{6}$ ( )

4. 31 748 rounded to the nearest hundred is _____.

(1) 31 700 (2) 31 750

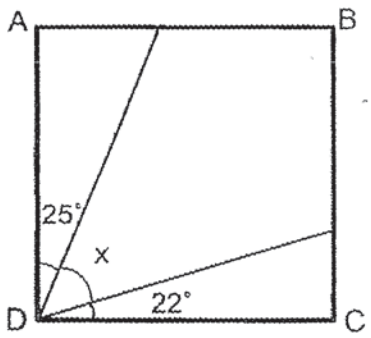
(3) 31 800 (4) 32 000 ( )

5. Which of the following is **not** an equivalent fraction of $\frac{2}{3}$?

(1) $\frac{4}{6}$ (2) $\frac{3}{9}$

(3) $\frac{8}{12}$ (4) $\frac{10}{15}$ ( )

6. In the figure shown, ABCD is a rectangle Find $\angle x$.



(1) 43° (2) 47°

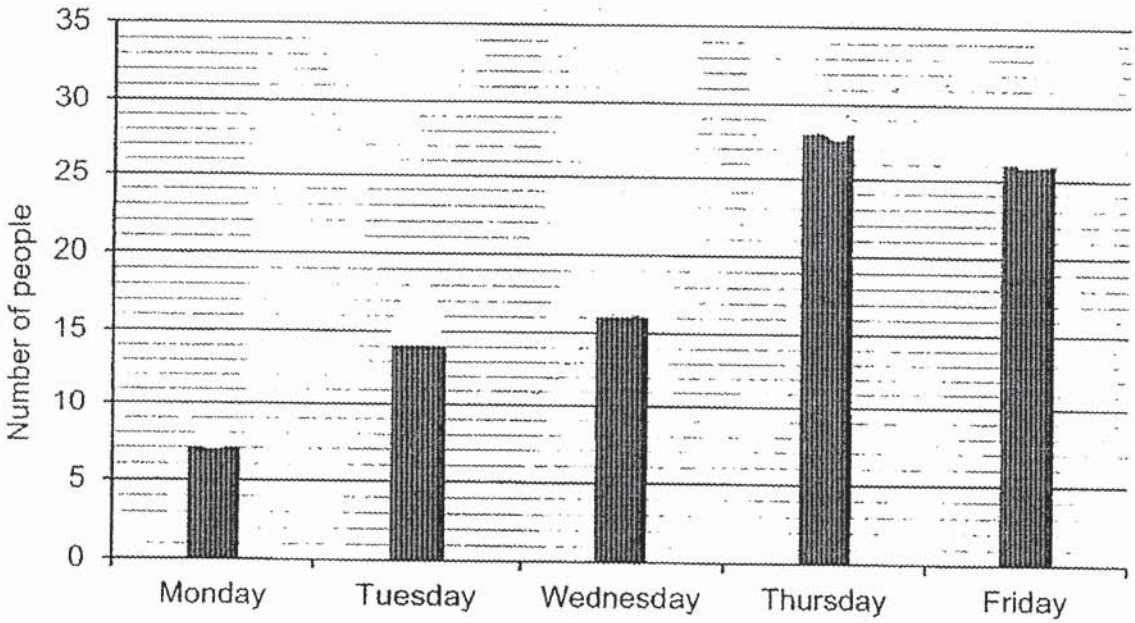
(3) 65° (4) 68° ( )

7. What is the sum of the first 2 common multiples of 4 and 6?

(1) 10 (2) 12

(3) 24 (4) 36 ( )

8. The bar graph below shows the number of people at the cinema from Monday to Friday.



On which day were there twice as many people at the cinema as on Tuesday?

(1) Monday (2) Wednesday

(3) Thursday (4) Friday ( )

9. Lynn and Vera shared a pizza. Lynn ate $\frac{2}{9}$ of the pizza. Vera ate $\frac{1}{9}$ of the pizza more than what Lynn ate. What fraction of the pizza did the two girls eat altogether?

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

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

10. Divide 7 by 9. Round your answer to the nearest tenth.

(1) 1.3 (2) 1.2

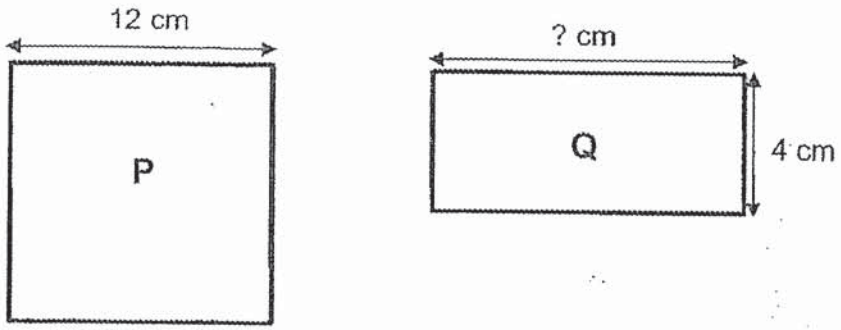
(3) 0.8 (4) 0.7 ( )

11. Subtract 0.26 from 19 tenths.

(1) 0.07 (2) 1.64

(3) 18.74 (4) 189.74 ( )

12. Square P and Rectangle Q have the same perimeter.
Find the length of Rectangle Q.



(1) 12 cm
(2) 20 cm
(3) 22 cm
(4) 36 cm
( )

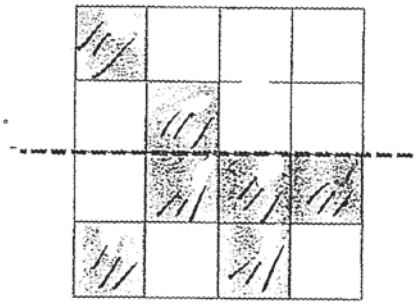
13. Faizal took 1 h 30 min to complete Section A of a quiz. He had 40 min left to complete Section B of the quiz. The quiz ended at 11.15 a.m. What time did the quiz start?

(1) 10.35 a.m.
(2) 9.45 a.m.
(3) 9.05 a.m.
(4) 8.55 a.m.
( )

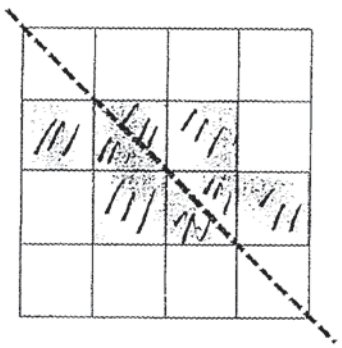
14. Which figure shows the correct line of symmetry?

(1)

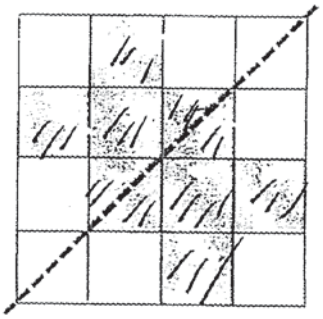
(2)



(3)

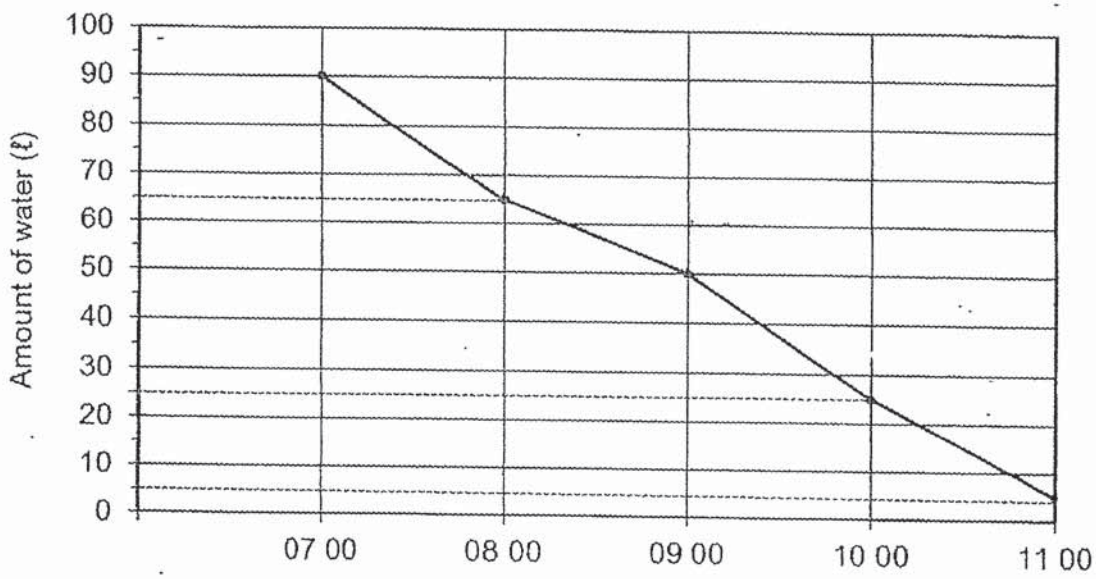


(4)



( )

15. A tank was filled with 90 ℓ of water at 07 00. Water flowed out of the tank from 07 00 to 11 00. The line graph shows the amount of water in the tank from 07 00 to 11 00.



Which one-hour period shows the leaet decrease in the amount of water in the tank?

(1) Between 0700 and 08 00 (2) Between 08 00 and 09 00

(3) Between 09 00 and 10 00 (4) Between 10 00 and 11 00 ( )

16. Dylan and Shaun had 312 badges altogether. After Dylan gave Shaun 8 badges, he had 3 times as many badges as Shaun. How many badges did Shaun have at first?

(1) 86 (2) 80

(3) 78 (4) 70 ( )

End of Paper 1

PAYA LEBAR METHODIST GIRLS' SCHOOL (PRIMARY)

SEMESTRAL ASSESSMENT TWO, 2019

PRIMARY FOUR

MATHEMATICS
Paper 2

Name : _____ ( )

Class : Primary 4 _____

Date : 31 Oct 2019

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

SECTION B

Do not write in this space

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.

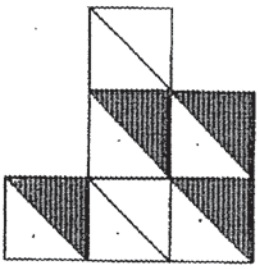
(40 marks)

17. Write the missing number in the number pattern below.

11 000	10 600	10 200	9800	?	9000

Ans: _____

18. The figure below is made up of 6 unit squares.
What fraction of the figure is shaded?



Ans: _____

19. Two factors of 6 are 1 and 6. What are the other two factors of 6?

Do not write in this space

Ans: _____ and _____

20. 5008 – 542 = _____

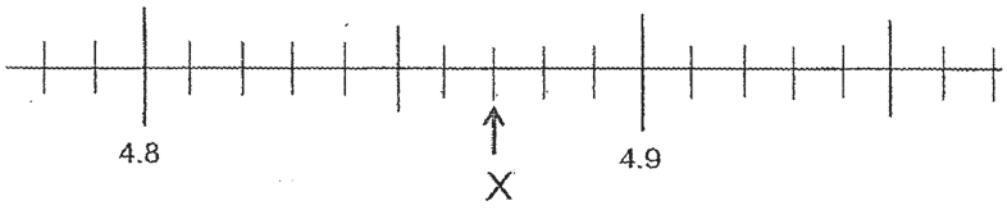
Ans: _____ _____

21. Find the value of 6.83 x 7

Ans: _____

22. Write the decimal represented by X.

Do not write in this space



Ans: _____

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

$\frac{2}{3}$, $\frac{3}{6}$, $\frac{4}{9}$, $\frac{5}{11}$

Ans: _____ and _____

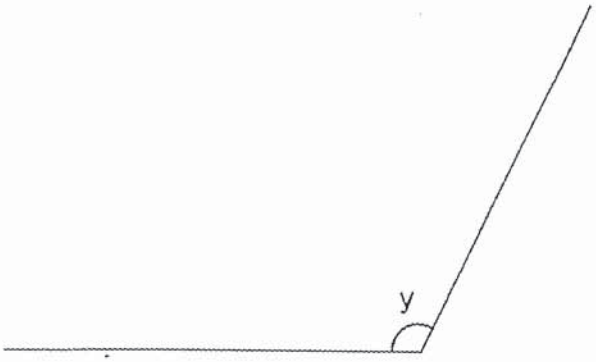
24. Arrange the following numbers from the smallest to the greatest.

$\frac{4}{5}$, 0.805 , 0.085

Ans: _____, _____, _____

(smallest) (greatest)

25. Measure and write down the size of ∠ y.



Ans: _____ °

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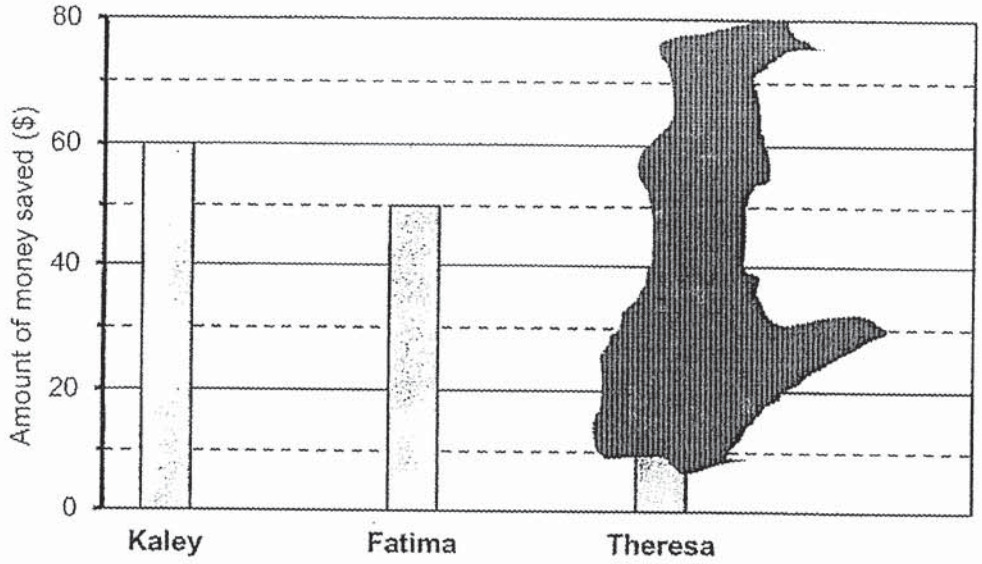
26. The bar graph shows the amount of money saved by 3 children in June.
Part of the graph had been blotted with ink.



The total amount saved by the 3 children in June was $145.

Who saved more money, Fatima or Theresa?

How much more did she save?

Ans: Name: _____

$ _____ more

27. A tank was completely filled with water. After $\frac{2}{5}$ of the water in the tank was pumped out, 12 ℓ of water was left in the tank. How much water was there in the tank at first?

Do not write in this space

Ans: _____ ℓ

28. Mrs Chandra bought 7.65 kg of cocoa powder. She used 0.9 kg of cocoa powder for baking and repacked the rest equally into 9 packets. What was the mass of each packet?

Ans: _____ kg

29. The diagram below shows some landmarks in a neighbourhood.

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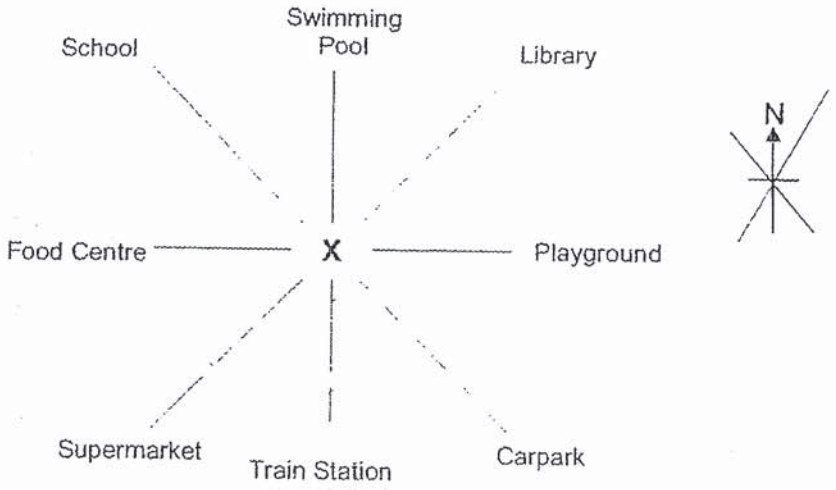


(a) Jane was standing at X and she was facing north-east.
Which landmark was she facing?

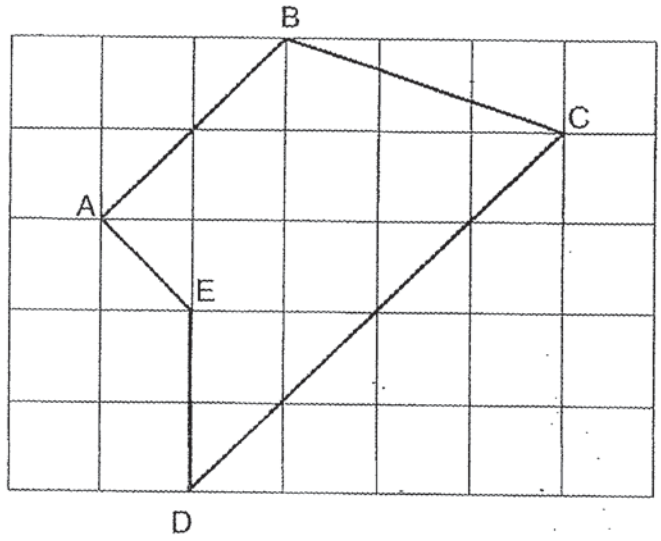
(b) Mei Ling was standing at X facing the Food Centre. She turned in the anticlockwise direction and found herself facing the Train Station.
What was the angle that she had turned?

Ans: (a) _____

(b) _____ °

Do not write in this space

30. Figure ABCDE is drawn on the square grid shown.



In the figure above, identify a pair of

(a) parallel lines.

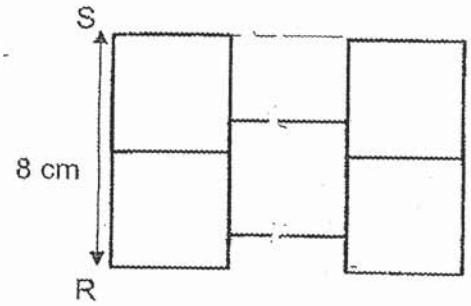
(b) perpendicular lines.

Ans: (a) _____ // _____

(b) _____ ⊥ _____

31. The figure below is made up of 5 identical squares.
Given that SR = 8 cm, find the perimeter of the figure.

Do not write in this space



Ans: _____ cm

32. Mrs Tan left her house for the supermarket at 08 30. She took 20 min to reach the supermarket. She left the supermarket at 10 05. How long was she at the supermarket? Give your answer in h and min.

Ans: _____ h _____ min

33. STUV is a square piece of paper. A smaller square, WXVZ , with an area of 9 cm^2, is cut out and UX = 5 cm. Find the area of the square piece of paper STUV.

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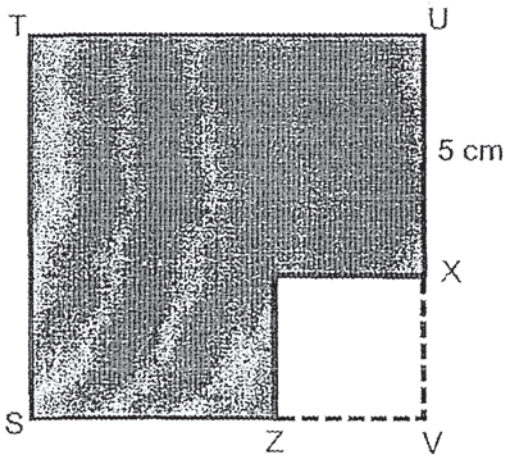
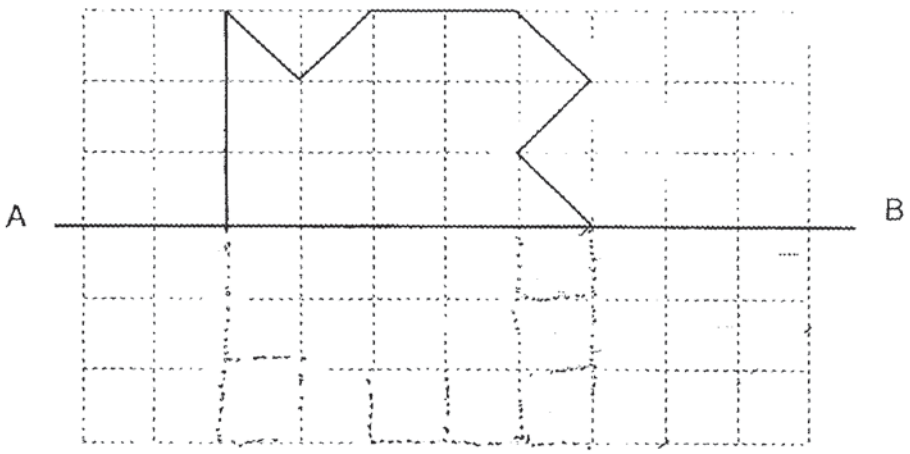


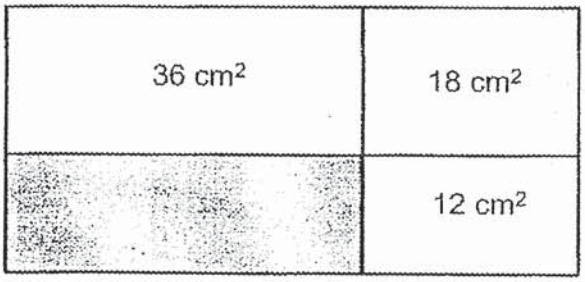
Ans: _____ _____ cm^2

34. AB is a line of symmetry. Complete the figure to make it symmetrical.



35. The figure below is made up of 4 rectangles. The lengths and breadths of each rectangle are in whole numbers.
Find the area of the shaded rectangle.

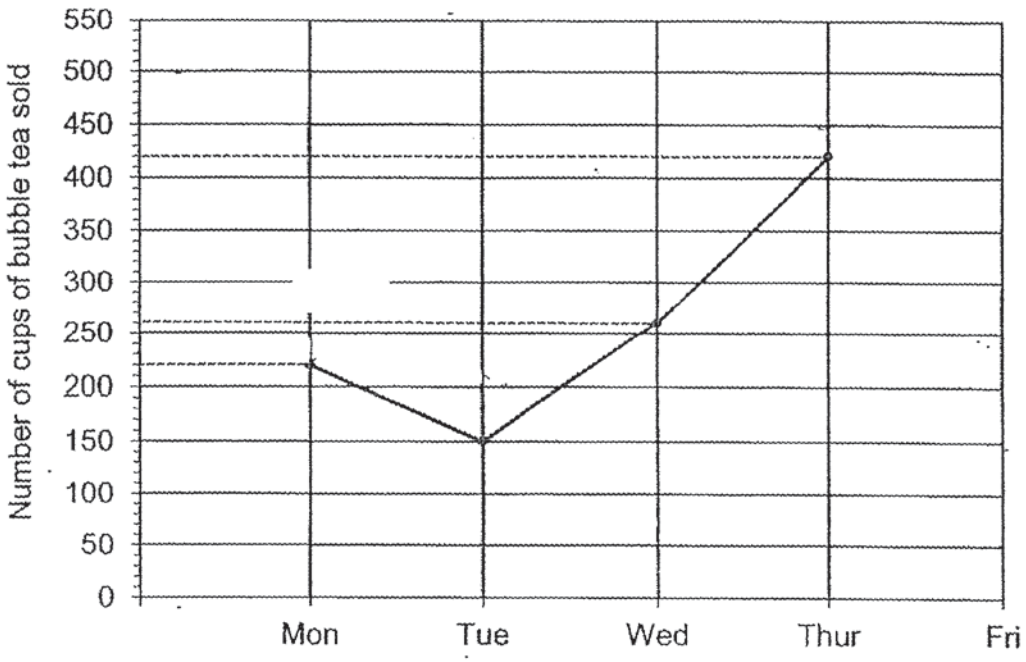
Do not write in this space



Ans: _____ cm²

36. The graph below shows the number of cups of bubble tea sold over 4 days. The data for Friday was missing.

Do not write in this space



(a) How many cups of bubble tea were sold from Monday to Wednesday?

(b) The number of cups of bubble tea sold on Thursday was 120 more than the number of cups of bubble tea sold on Friday. Find the number of cups of bubble tea sold on Friday.

Ans: (a) _____

(b) _____

SECTION C

Do not write in this space

For questions **37** to **43**, show your working clearly in the space provided for each question 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. Jim, Raihan and Sean had a total of $3285. Raihan had twice as much money as Jim. Sean had 3 times as much money as Raihan.

(a) How much did Jim have?

(b) What was the total amount of money that Sean must give to both Raihan and Jim so that all of them would have the same amount of money?

Ans: (a) _____ [2]

(b) _____ [2]

38. Amrita read $\frac{1}{4}$ of a book on Monday. She read $\frac{2}{3}$ of the book on Tuesday and the rest of the book on Wednesday. She read 17 pages of the book on Wsdnesday.

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

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

Do not write in this space

Ans: (a) _____ [2]

(b) _____ [2]

39. Jeslyn and Hanish had the same amount of money. After Jeslyn spent $57.60 and Hanish spent $69, Jeslyn had 3 times as much money left as Hanish.

Do not write in this space

(a) How much money had Hanish left?

(b) How much money did Jeslyn have at first?

Ans: (a) _____ [2]

(b) _____ [2]

40. The following sign board was displayed at Shop Y.

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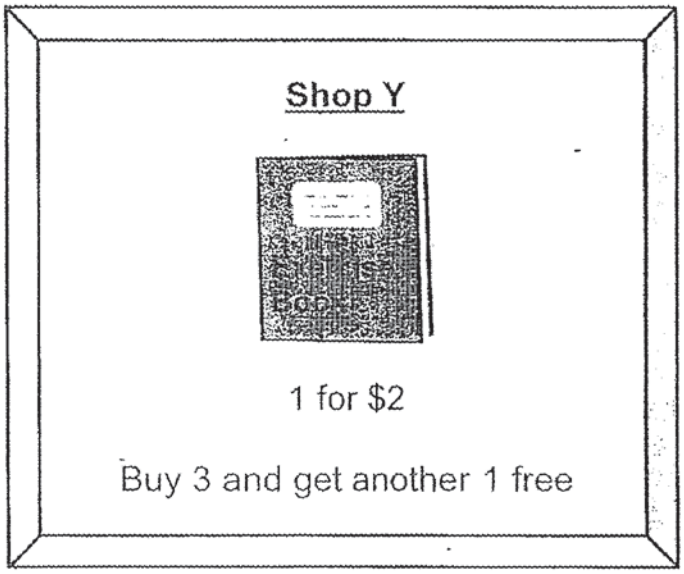


(a) Gracelyn wanted to get 4exercise books.
What was the least amount of money that she needed to pay?

(b) Bala had $20. What was the most number of exercise books he could get?

Ans: (a)_____ [1]

(b)_____ [3]

41. The table below shows the number of sticks used to form each figure.

Do not write in this space

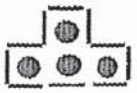


Figure 1

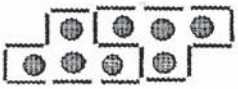


Figure 2

Figure 3

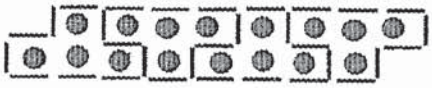


Figure 4

Figure Number	Number of sticks	Number of dots
1	10	4
2	17	8
3	24	12
4	31	16
5	(a) _____	(a) _____

[1]

(a) Complete the table for Figure 5.

(b) Which figure would have a total of 60 dots?

(c) How many sticks would be used for Figure 99?

Ans: (b) _____ [1]

(c) _____ [2]

42. The mass of a box with 3identical wooden blocks is 3.14 kg. The mass of the same box with 4 identical metal blocks is 8.04 kg. The mass of one metal block is twice the mass of a wooden block.

Do not write in this space

(a) Find the mass of one wooden block.

(b) Find the mass of the empty box.

Ans: (a) _____ [2]

(b) _____ [2]

43. The area of a rectangular sheet of paper ABCD is 108 cm^2. It is then folded at a corner as shown below in Figure 2. Given that AD = 9 cm and AE = 4 cm.

Do not write in this space

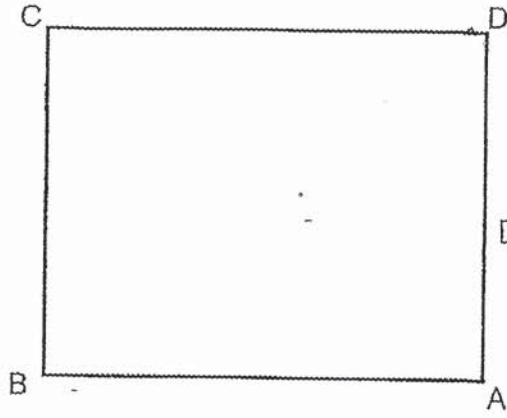


Figure 1

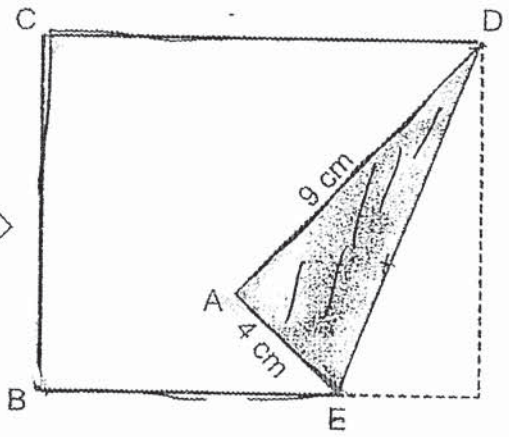


Figure 2

(a) Find the length of CD.

(b) Find the perimeter of the unshaded part AEBCD.

Ans: (a) _____ [2]

(b) _____

YEAR : 2019

LEVEL : PRIMARY 4

SCHOOL : PAYA LEBAR METHODIST GIRL'S SCHOOL (PRIMARY)

SUBJECT : MATHEMATICS

TERM : SA2

SECTION A

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

SECTION B

Q17. 9400

Q18. $\frac{1}{3}$

Q19. 2 and 3

Q20. 4466

Q21. 47.81

Q22. 4.87

Q23. $\frac{4}{9}$ and $\frac{5}{11}$

Q24. 0.085, $\frac{4}{5}$, 0.805

Q25. 116°

Q26. Name: Fatima

$15 more

Q27. 20*l*

Q28. 0.75 kg

Q29. (a) Library

(b) 90°

Q30. (a) AB // CD

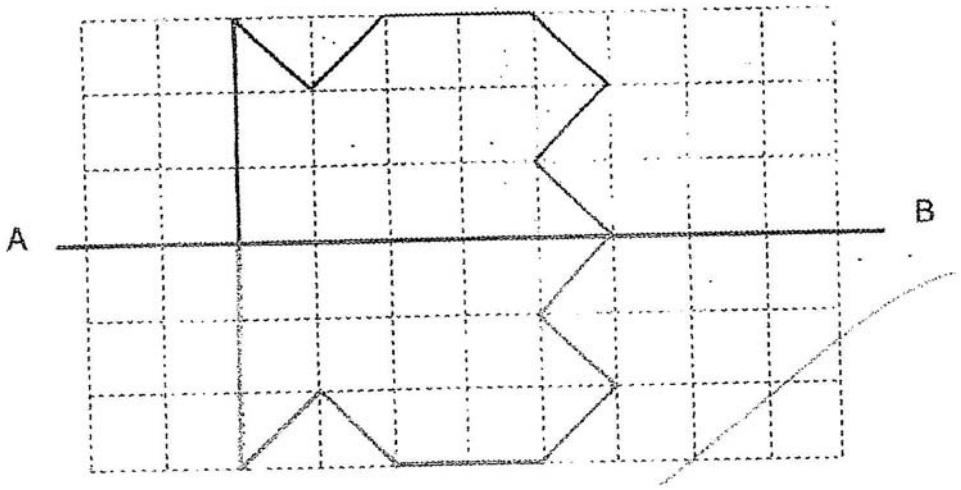
(b) AB ⊥ AE

Q31. 48 cm

Q32. 1 h 15 min

Q33. 64 cm^2

Q34.



Q35. 24cm^2

Q36. (a) 630

(b) 300

SECTION C

Q37. (a) $\$3285 \div 9 = \$365$

(b) $9 \div 3 = 3$

$\$365 \times 3 = \$1095$

Q38. (a) $1 - \frac{1}{4} - \frac{2}{3} = \frac{1}{12}$

(b) $\frac{1}{12}$ of book $\rightarrow 17$

Total no of pages $\rightarrow 17 \times 12 = 204$

Q39. (a) $\$69 - \$57.60 = \$11.40$

$\$11.4 \div 2 = \$5.70$

(b) $\$5.70 \times 3 = \$17.10$

$\$17.10 + \$57.60 = \$74.70$

Q40. (a) $\$2 \times 3 = \$6$

(b) $\$20 \div \$6 = 3 \text{ r } \$2$

$3 \times 4 = 12$

$12 + 1 = 13$

Q41. (a)

Figure Number	Number of sticks	Number of dots
5	38	20

(b) $60 \div 4 = 15$

(c) $99 \times 7 = 693$

$693 + 3 = 696$

Q42. (a) $4 \times 2 = 8$

$8 - 3 = 5$

Mass of 5 wooden blocks $\rightarrow 8.04 - 3.14 = 4.90\text{kg}$

Mass of 1 wooden block $\rightarrow 4.90 \div 5 = 0.98\text{kg}$

(b) $3 \times 0.98 = 2.94\text{kg}$

$3.14 - 2.94 = 0.20\text{kg}$

Q43. (a) $108 \div 9 = 12\text{cm}$

(b) Perimeter of AEBCD $\rightarrow 4 + 8 + 9 + 12 + 9 = 42\text{cm}$

END