HENRY PARK PRIMARY SCHOOL
2019 SEMESTRAL EXAMINATION 2
MATHEMATICS
PRIMARY 3

Name: _____ ( )   Parent's Signature

Class: Primary 3_____   _____

Duration of Paper: 1 h 45 min

Marks:

Section A (MCQ)	13
Section B (Open-Ended)	45
Section C (Problem Sums)	22
Total	80

Questions **1** to **5** carry 1 mark each. Questions **6** to **9** carry 2 marks each.
Choose the correct answer and write its number in the brackets provided.
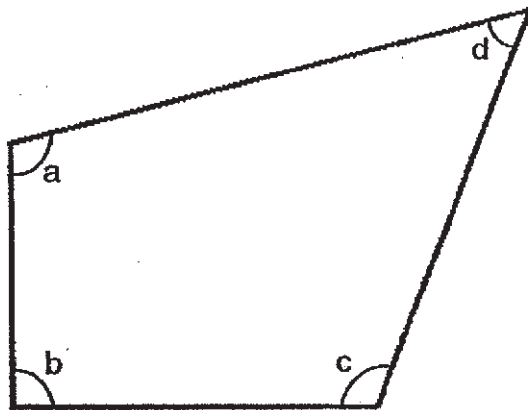You are required to shade the correct oval of your answer (1, 2, 3 or 4) in the
Optical Answer Sheet (OAS) provided.

1.   The value of the digit '7' in 8974 is _____.

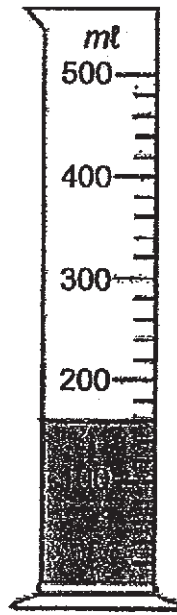   (1)   7

    (2)   70

    (3)   700

    (4)   7000   (   )

2.   In the figure below, which angle is an acute angle?

    (1) $\angle a$

    (2) $\angle b$

    (3) $\angle c$

    (4) $\angle d$ (   )

3.   What is the volume of water in the cylinder shown below?

    (1)   130 *ml*
    (2)   140 *ml*
    (3)   160 *ml*
    (4)   180 *ml*   (   )

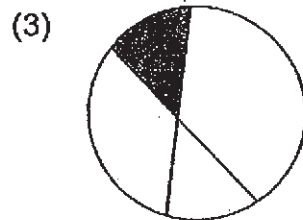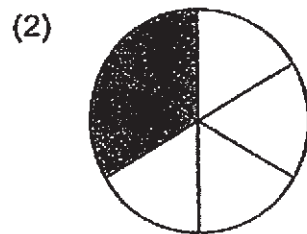4.   Express 2 hours 19 minutes in minutes.

    (1)   79 minutes
    (2)   119 minutes
    (3)   139 minutes
    (4)   219 minutes   (   )

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

(1)

(2)

(3)

(4)

(   )

6. What is 5 hundreds more than 4637?

(1) 5137
(2) 4687
(3) 4642
(4) 4137

(   )

7. Which one of the following numbers can be divided exactly by 6 and by 9?

    (1) 42

    (2) 45

    (3) 48

    (4) 54   (   )

8. Find the product of 234 and 5.

    (1) 1170

    (2) 1150

    (3) 1070

    (4) 1050   (   )

9. Johnny placed seven squares of the same size together to form a rectangle as shown below. Find the perimeter of the rectangle Johnny formed.

    (1) 32 cm

    (2) 64 cm

    (3) 88 cm

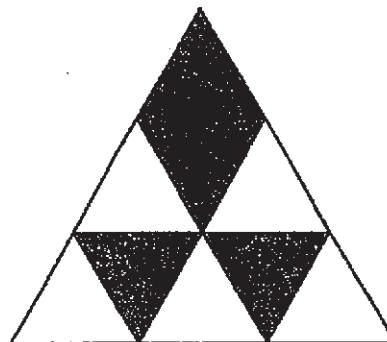   (4) 112 cm   (   )

Questions **10** to **14** carry 1 mark each. Write your answers in the boxes provided. For questions which require units, give your answers in the units stated.

10. Express 1270¢ in dollars and cents.

$

11. Find an equivalent fraction of $\frac{4}{7}$.

12. The figure below is made of identical triangles. What fraction of the figure is shaded?

13. Cup A contains 350 mℓ of water. Cup B contains 33 mℓ of water less than Cup A. What is the volume of water in Cup B?

	mℓ

14. Mindy left home for school at 6.50 a.m.
She arrived at school at 7.25 a.m.
How long was the journey from home to school?

	minutes

Questions **15** to **34** carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

15. Find the difference between 214 and 7053.

16. What is the quotient and remainder when 109 is divided by 3?

R

17. Using all the digits given below,

| 5 | 2 | 8 | 3 |

a) form the smallest 4-digit number.

b) form the greatest 4-digit odd number.

18. Study the number pattern below.
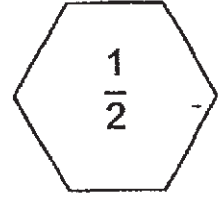
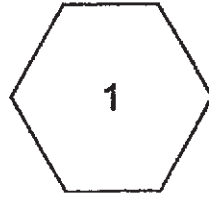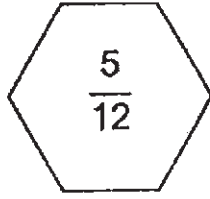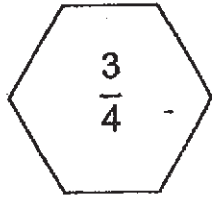3480 , 3560 , 3640 , 3720 , | ? | , 3880

What is the missing number in the box?

19. Find the value of $\dfrac{1}{12} + \dfrac{7}{12}$. Give your answer in its simplest form.

20. What is the missing fraction in the box?

$$\frac{5}{9} - \boxed{?} = \frac{1}{3}$$

21. Arrange the fractions in order. Begin with the greatest.

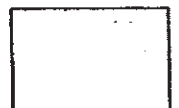| $\dfrac{3}{4}$ | $\dfrac{5}{12}$ | 1 | $\dfrac{1}{2}$ |

_____ , _____ , _____ , _____
greatest

22. Write

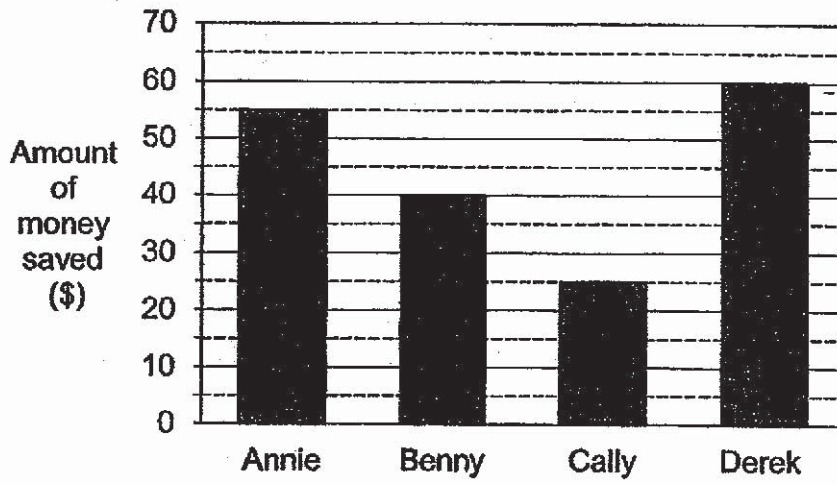a) 408 cm in metres and centimetres

m	cm

b) 3 kg 56 g in grams

	g

23. The bar graph below shows the amount of money saved by four children.

Amount of money saved ($)

| | Annie | Benny | Cally | Derek |

Find the total amount of money saved by the four children.

$ [   ]

24. Find the area of the square shown below.

8 cm

[square]

[   ] cm²
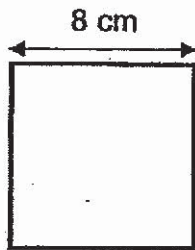
25a. The figure shown below is drawn on a 1-cm square grid.
Find the area of the figure.

1 cm

1 cm
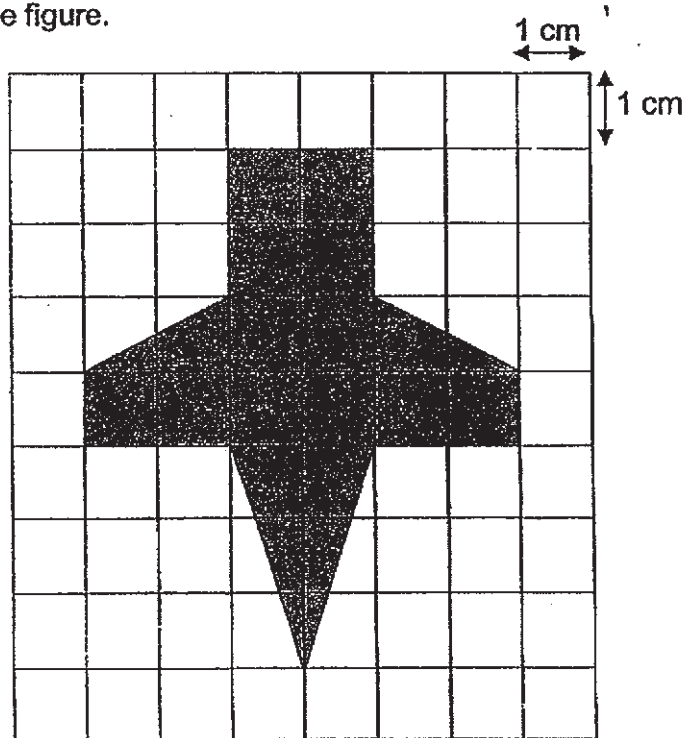
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                                                    cm²
```

25b. In the square grid given below, draw a figure with an area of 11 cm².

1 cm

1 cm
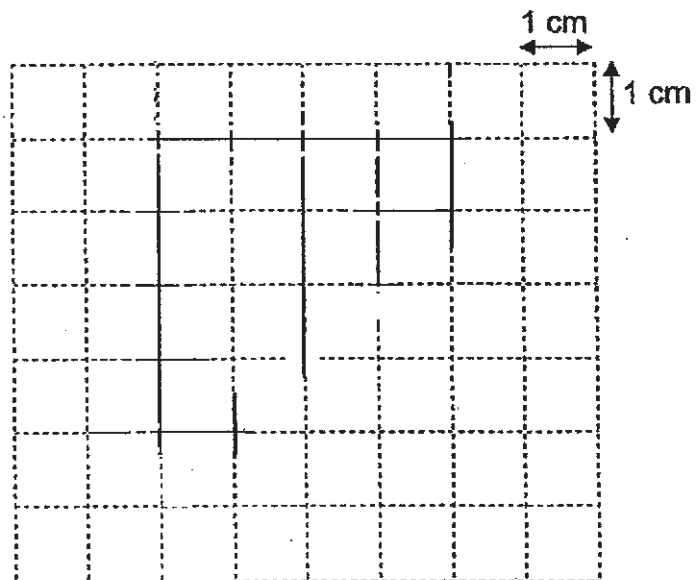
26. After spending $2840 on a television set, Janice was left with $579. How much money did Janice have at first?

$

27. Mrs Chua bought 8 packets of sweets. In each packet, there were 6 sweets. She gave away 35 sweets to her friend. How many sweets had Mrs Chua left?

28. John had some marbles. He put them equally into 8 bags. There were 19 marbles in each bag and 6 marbles left. How many marbles did John have at first?

29. A table costs thrice as much as a chair. The table and the chair cost $432. What is the cost of the chair?

$

30. Mother baked some muffins in the morning. She gave 24 of them to her neighbour. After that, she baked another 7 muffins in the afternoon. She then had 35 muffins. How many muffins did Mother bake in the morning?

31. Siti arranges 6 cones at an equal distance apart. The distance between the first and the last cone is 120 m. What is the distance between each cone?
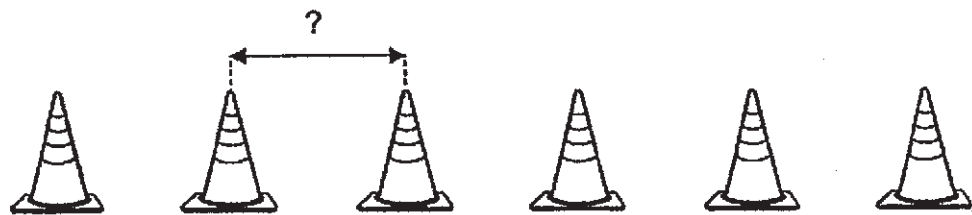
m

32. The mass of a basket containing 7 identical coins is 790 g.
The mass of the basket when it is empty is 650 g. Find the mass of 1 coin.

	g

33. The graph below shows the different types of fruits a group of students was given at a camp. Each child was given only one type of fruit. The bars showing the number of students who were given bananas and grapes were not drawn.
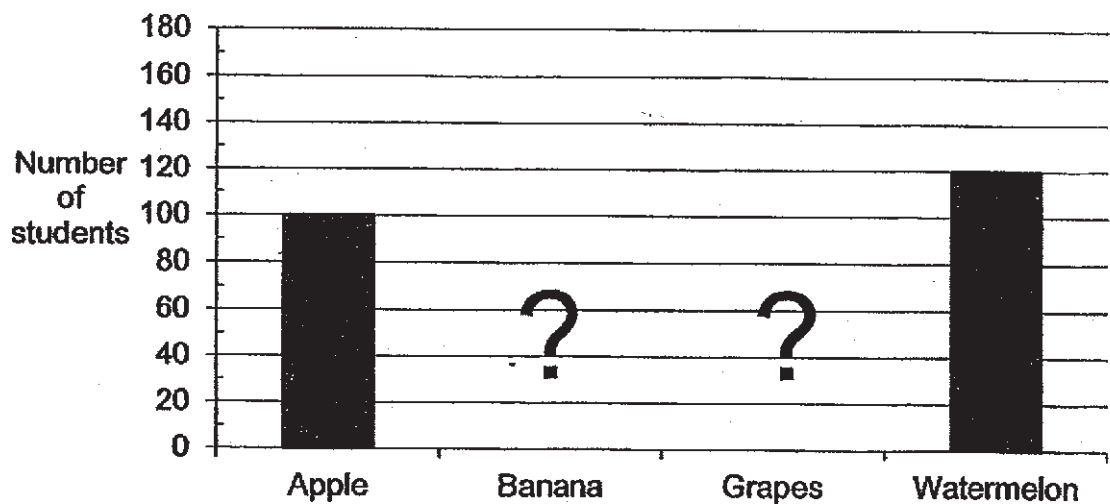
There were a total of 300 students at the camp. The number of students who were given bananas and grapes were the same. How many students were given grapes?

34. Students on a learning journey were put into two groups, Group A and Group B. There were 26 fewer students in Group A than in Group B.

Each statement below is either True or False from the information given.
For each statement, put a tick (✓) in the correct column.

	Statement	True	False
a)	After 13 students from Group B joined Group A, there will be an equal number of students in both groups.		
b)	The total number of students who went on the learning journey was an odd number.		
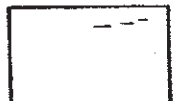
Section C: Problem Sums (22 marks)

Read the problem sums carefully before solving it. Show your working and write your word statements clearly. The number of marks available is shown in brackets [ ] at the end of each question or part-question.

35.   Jack has 114 pencils. Paul has 28 more pencils than Jack.
       Jack has twice as many pencils as Caleb.

       a) How many pencils does Paul have?   [2 marks]   Working

       b) How many pencils does Caleb have?   [2 marks]

36. Marie bought a school bag and a storybook for $64.75.
The storybook cost $17.95.

a) How much did the school bag cost? [2 marks]

b) Marie gave the cashier $70. How much change did
Marie receive? [2 marks]

37. On Monday, Peter studied for 3 h 15 min.

a) Given that Peter started studying at 2.30 p.m.,
   what time did Peter finish studying on Monday?

   [2 marks]

b) On Tuesday, Peter studied for 2 h 5 min.
   How much longer did Peter study on Monday than on
   Tuesday?   [2 marks]

38. Mrs Tan had 150 sweets at first. She gave 3 sweets to each of her student. She had 45 sweets left. How many students were there in Mrs Tan's class?

[3 marks]

Working

39. Mr Tang bought 3 cartons of mango juice. In each carton, there were 8 bottles of mango juice. Each bottle contained 2ℓ of mango juice. How many litres of mango juice did Mr Tang buy altogether? [3 marks]

Working

40. At a carnival, children could earn points by playing games. The points earned could be used to exchange for prizes. The table below shows the number of points needed to exchange for each prize.

Prize	Chocolate Bar	Pencil Case	Teddy Bear	Toy Car	Water Bottle
Points needed	160	460	840	310	230

a) Grace exchanged some of her points for a teddy bear and a water bottle. She then had 90 points left.
How many points had she at first?   [2 marks]

Working

b) Henry earned a total of 1000 points. He exchanged all his points for three different prizes. What were the three different prizes Henry exchanged his points for?
                [2 marks]

-END OF PAGE-
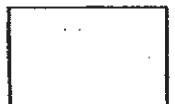
SCHOOL : HENRY PARK PRIMARY SCHOOL

LEVEL   : PRIMARY 3
SUBJECT : MATH
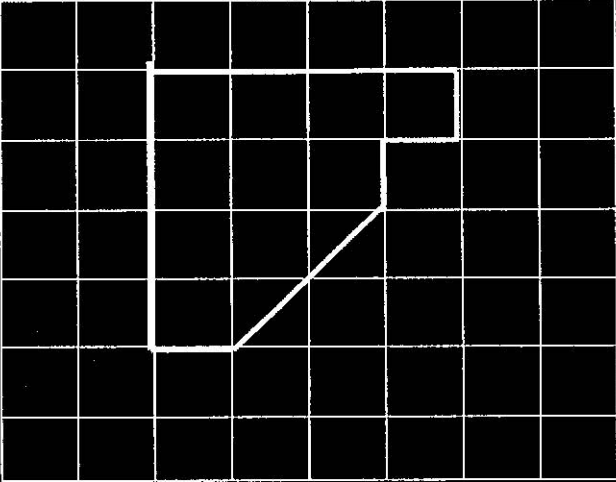TERM   : 2019 SA2

BOOKLET A

Q 1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9
2	4	3	3	4	1	4	1	2

BOOKLET B

Q10)	$12.70
Q11)	$\frac{8}{14}$
Q12)	$\frac{4}{9}$
Q13)	$350 - 33 = 317\ ml$
Q14)	35 minutes
Q15)	$7053 - 214 = 6839$
Q16)	36 R1
Q17)	a)2358 b)8523
	3800
Q19)	$\frac{8}{12} \div 4 = \frac{2}{3}$
Q20)	$\frac{1}{3} \times 3 = \frac{3}{9}$ $\frac{5}{9} - \frac{3}{9} = \frac{2}{9}$
Q21)	$1, \frac{3}{4}, \frac{1}{2}, \frac{5}{12}$

Q22)	a)4m 8cm
	b)3056g
Q23)	$180
Q24)	64cm^2
Q25)	a)17cm^2
	b)
Q26)	$2840 + $579 = $3419
Q27)	48 - 35 = 13
Q28)	19 x 8 = 152+ 6 = 158
Q29)	U = 432 ÷ 4 = 108
Q30)	35 - 7 = 28 + 24 = 52
Q31)	24m
Q32)	790 - 650 = 140 ÷ 7 = 20g
Q33)	40
Q34)	a)True
	b)False
Q35)	a)114 + 28 = 142
	b) 114 ÷ 2 = 57
Q36)	a)$64.75 -$ 17.95 = $46.80

	b)$70.00 - $64.75 = $5.25
Q37)	2.30 (3h) 5.30 (15min) 5.45 ├────────────────────┼──────────┤ Ans : 5.45p.m b)3h 15min – 2h 5min = 1h 10min
Q38)	150 – 45 = 105 105 ÷ 3 = 35
Q39)	8 x 3 = 24 24 + 24 = 48
Q40)	a)840 + 230 + 90 = 1160 b)460 + 310 + 230 = 1000