



HENRY PARK PRIMARY SCHOOL  
2017 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
<b>Total</b>	<b>80</b>

Section A: Multiple Choice Questions (13 marks)

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. In 8796, the digit 7 is in the \_\_\_\_\_ place.

- (1) ones
- (2) tens
- (3) hundreds
- (4) thousands

( )

2. Which of the following has the same value as  $4 \times 5$ ?

- (1)  $4 + 4 + 4 + 4$
- (2)  $5 + 5 + 5 + 5$
- (3)  $5 \times 5 \times 5 \times 5$
- (4)  $4 \times 4 \times 4 \times 4 \times 4$

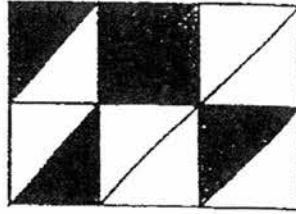
( )

3. Which of the following is most likely the capacity of a can of soft drink?

- (1) 3000 ml
- (2) 300 ml
- (3) 3 ml
- (4) 30 ml

( )

4. The figure below is divided into equal parts. What fraction of the figure is shaded?



- (1)  $\frac{5}{7}$
- (2)  $\frac{4}{11}$
- (3)  $\frac{5}{12}$
- (4)  $\frac{7}{12}$

( )

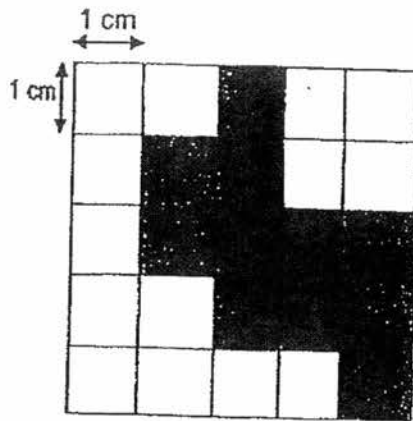
5. What is the time shown on the clock below?



- (1) 20 minutes past 11
- (2) 20 minutes past 12
- (3) 20 minutes to 11
- (4) 20 minutes to 12

( )

6. What is the perimeter of the shaded figure?



- (1) 11 cm  
(2) 18 cm  
(3) 31 cm  
(4) 44 cm

( )

7. Siti baked 4050 cookies. She baked 725 cookies more than Jane. How many cookies did Jane bake?

- (1) 3325  
(2) 3335  
(3) 4335  
(4) 4735

( )

8. Sally had 257 cupcakes. She packed them into boxes. Each box contained 7 cupcakes. What is the least number of boxes Sally used to contain all the cupcakes?

- (1) 36  
(2) 37  
(3) 46  
(4) 47

( )

9. Sue and Tim shared a pizza for lunch.

Sue ate  $\frac{3}{8}$  of the pizza while Tim ate  $\frac{1}{2}$  of it.

What fraction of the pizza was left?

(1)  $\frac{1}{8}$

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

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

(4)  $\frac{7}{8}$

( )

(Go on to Section B)

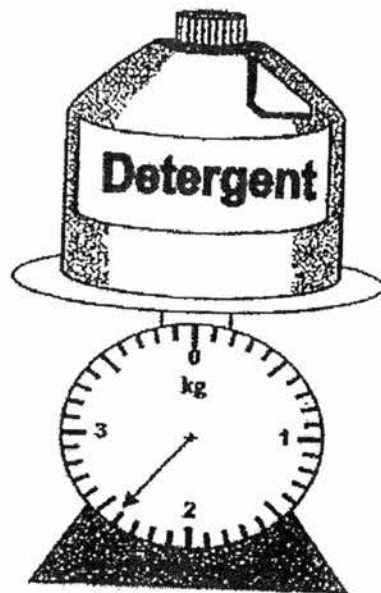
Section B: Open-Ended Questions (45 marks)

Questions 10 to 14 carry 1 mark each. Questions 15 to 34 carry 2 marks each.

Read the following questions carefully and write your answers in the boxes provided. Show your working clearly. For questions which require units, give your answers in the units stated.

10. Write eight thousand and fifty-four in numerals.

11. What is the mass of the bottle of detergent shown below?



12. Arrange the following set of fractions in order. Begin with the smallest.

13. Josh went for badminton training from 9.45 a.m. to 11.30 a.m.  
How long was his badminton training?

 h  min

14. Billy has 7 tanks of guppies. There are 6 guppies in each tank. How many guppies does Billy have altogether?

15. Form the smallest 4-digit odd number using all the digits given below.  
Each digit can only be used once.




16. The letter A represents the same digit. What is the digit represented by A?

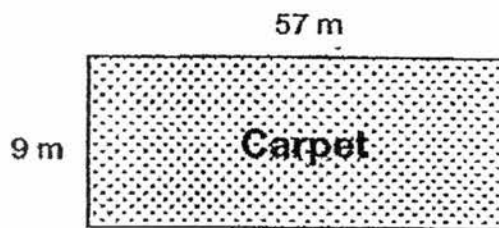
$$\begin{array}{r}
 5 \quad 3 \quad 0 \\
 - \quad \boxed{A} \quad 7 \quad 9 \\
 \hline
 3 \quad 5 \quad \boxed{A} \quad 1 \\
 \hline
 \end{array}$$

17. Find the sum of 2349 and 4743.



18. Find the product of 649 and 8.

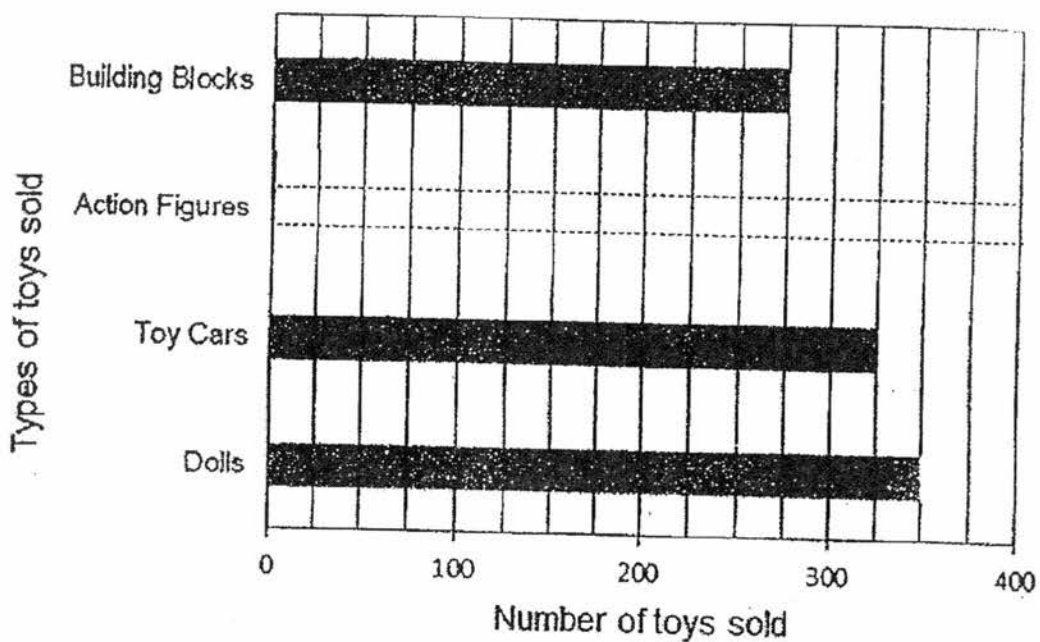
19. A rectangular piece of carpet measures 57 m by 9 m. What is the area of the carpet?

 m<sup>2</sup>

20.  + 7 = 24 R 6

21. Karen has 4 times as many stickers as Siti. Given that Siti has 784 stickers, how many stickers does Karen have?

22. The bar graph below shows the different types of toys sold in Mrs Ho's shop for the month of September.



- (a) How many more toy cars than building blocks did Mrs Ho sell in September?

- (b) Mrs Ho sold 7 times as many dolls as action figures. Complete the graph to show the number of action figures Mrs Ho sold.

23. Find the difference between  $\frac{4}{5}$  and  $\frac{3}{10}$

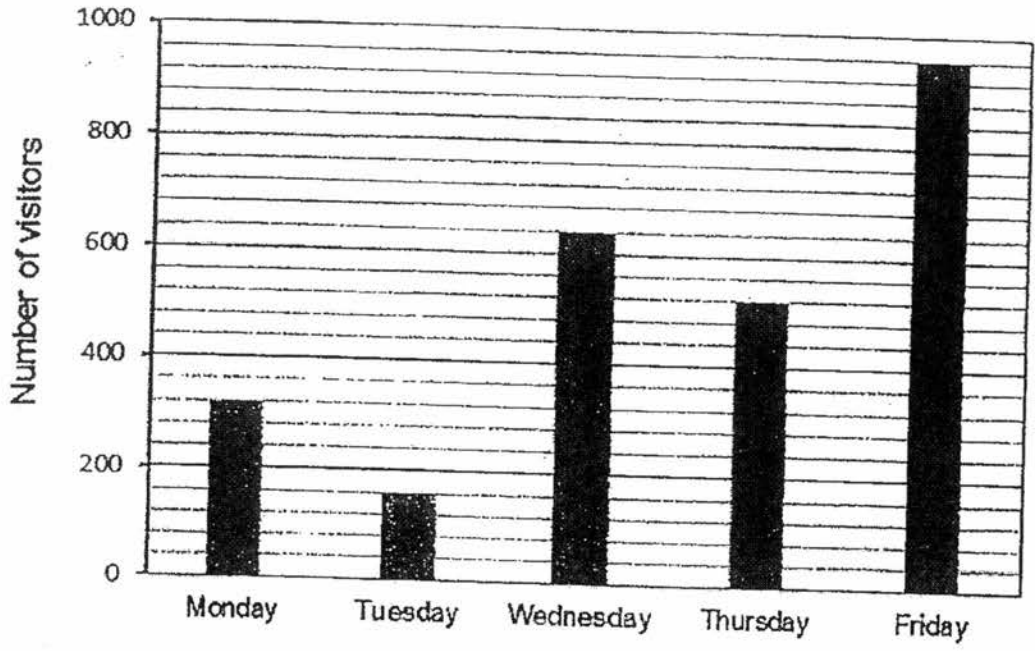
Give your answer in its simplest form.

24. Ahmad's watch was 10 minutes slow. What should be the correct time when his watch showed 4.55 p.m.?

 p.m.

25. The sum of 2 numbers is 854. The greater number is 268 more than the smaller number. Find the smaller number.

26. Study the graph carefully and answer the following questions.  
The graph below shows the number of visitors at a book fair.



(a) On which day was the number of visitors twice as many as Monday?

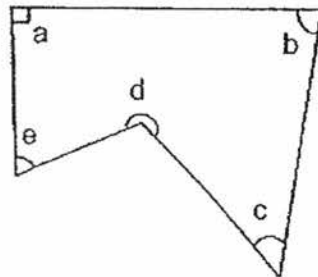
(b) On Friday, 590 of the visitors were adults and the remaining visitors were children. How many children visited the book fair on Friday?

27. Macy cut a cake into 12 equal pieces. She ate 2 pieces and gave 6 pieces to her neighbour. What fraction of the cake was left?  
Give your answer as a fraction in its simplest form.

28. Jake watched a movie which ended at 10.45 p.m. The movie lasted 1 h 50 min. What time did Jake start watching the movie?

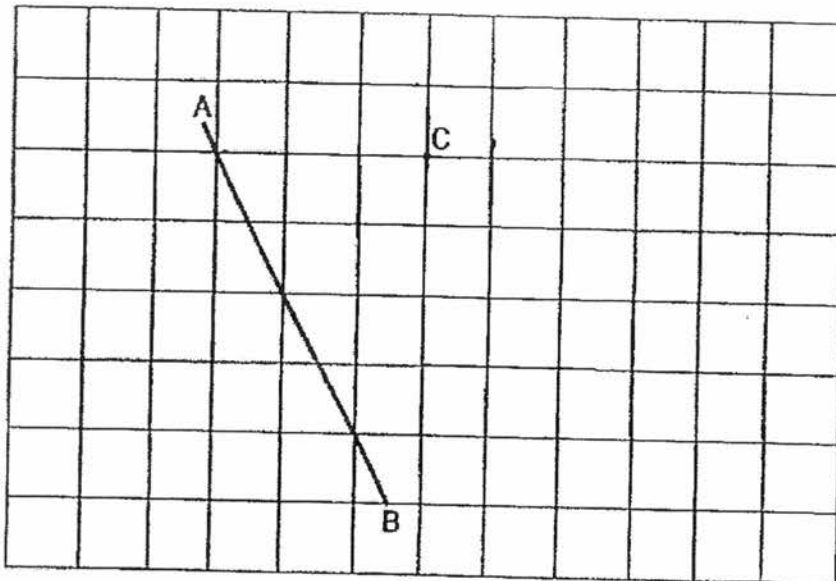
 p.m.

29. Study the figure below and read the statements given. Each statement is either 'True' or 'False'. For each statement, put a tick in the correct column.

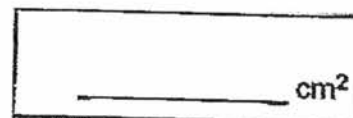
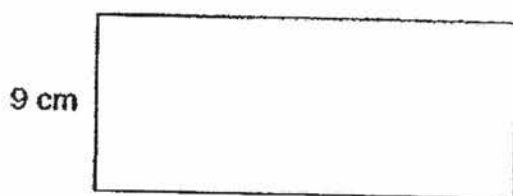


	Statements	True	False
a)	Angles $b$ , $c$ and $e$ are acute angles.		
b)	Angles $a$ and $d$ are greater than a right angle.		

30. Using a set-square and a ruler, draw a line parallel to AB passing through point C.



31. Jane used a rectangular piece of paper for her art project. The breadth of the paper was 9 cm. The length of the paper was 6 cm longer than its breadth. What was the area of the rectangular piece of paper Jane used?



32. Mohan and Aiman had an equal number of stamps at first. After Mohan gave Aiman 20 stamps, Aiman had 265 stamps. How many stamps did Mohan have left?

33. There are 123 green marbles and 285 blue marbles in a box. There are 8 such boxes. How many more blue marbles than green marbles are there altogether?

34. John put a total of 360 apples and pears equally into 4 boxes. There were 5 times as many apples as pears in each box. How many pears were there in each box?

NAME: \_\_\_\_\_

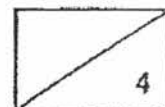
CLASS: Primary 3 \_\_\_\_\_

Section C: Problem Sums (22 marks)

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

35. Alan, Bala and Chen Yong have some cards. Alan has 2285 cards and Bala has 725 cards.
- (a) How many cards do Alan and Bala have altogether? [2]
- (b) Alan and Chen Yong have a total of 2853 cards. How many cards does Chen Yong have? [2]

Working





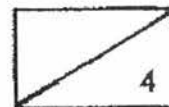
36. Wei Ming received \$32 from his father. He saved \$17.50 and spent the rest.
- (a) How much money did he spend? [2]
- (b) Wei Ming wanted to buy a train set that cost \$52.95. How much more money would he need to save to buy the train set? [2]

Working



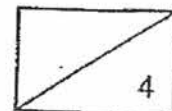
37. Mrs Lim poured 650 ml of orange syrup and some water into a jug to make 3 l of orange drink.
- (a) How much water did Mrs Lim pour into the jug? [2m]
- (b) How much orange syrup did Mrs Lim use to make 9 such jugs of orange drink? [2m]

Working



38. Peter, Ken and David had 805 stamps altogether. Peter had 4 times as many stamps as Ken. David had twice as many stamps as Ken.
- (a) How many stamps did Ken have? [2]
- (b) Peter, Ken and David decided to share their total number of stamps equally with Aaron and Billy. How many stamps would each of them receive? [2]

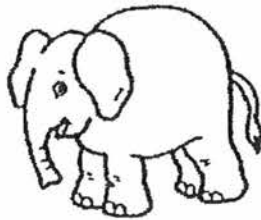
Working



39. There were a total of 18 elephants and peacocks at the zoo. Jasper counted a total of 44 legs for these animals. How many peacocks were there at the zoo? [3]



Peacock



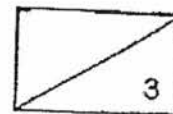
Elephant

Working



40. A farmer wants to put up a fence around a square plot of land of side 24 m.  
The cost of fencing is \$5 per metre.  
How much must he pay to put a fence around his land? [3]

Working



---

-END OF PAPER-

Setters: Mdm Noor Azida, Mdm Oh Seow Wei, Mrs Judy Toh and Mrs Stacy Tan

EXAM PAPER 2017 (P3)

SCHOOL :HENRY PARK

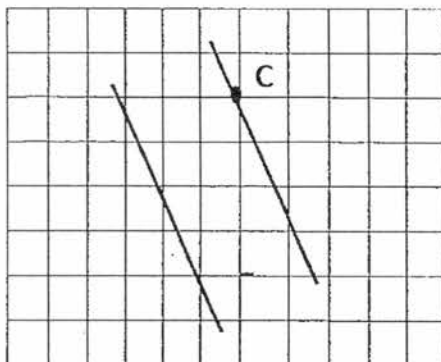
SUBJECT : MATHEMATICS

TERM : SA2

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9
3	2	2	3	4	2	1	2	1

- 10)8054      11)2kg 400g      12) $2/5$  ,  $3/5$  ,  $3/4$       13)1 h 45 min      14)42  
15)4587      16)1      17)7092      18)5192      19)513 m<sup>2</sup>      20)174  
21)3136      22)a)Action Figures-----50      b)50      23)  $1/2$       24)5.05 p.m.  
25)293      26)a)Wednesday      b)370      27) $1/3$       28)8.55 p.m.  
29)a)True      b)False

30)



31)  $135 \text{ cm}^2$       32) 225      33) 1296      34) 15

35)a)  $2285 + 725 = 3010$

Alan and Bala have 3010 cards altogether.

b)  $2653 - 2285 = 368$

Chen Yong has 368 cards.

36)a)  $\$32 - \$17.50 = \$14.50$

He spent \$14.50

b)  $\$52.95 - \$17.50 = \$35.45$

He would need \$35.45 more to save to buy the train set.

37)a)  $3 \text{ L} = 3000 \text{ ml}$

$3000 \text{ ml} - 650 \text{ ml} = 2350 \text{ ml}$

Mrs Lim poured 2350 ml of water into the jug.

b)  $9 \times 650 \text{ ml} = 5850 \text{ ml}$

Mrs Lim used 5850 ml of orange syrup to make 9 such jugs of orange drink.

38)a)  $4 + 2 + 1 = 7$

$805 \div 7 = 115$

Ken had 115 stamps.

b)  $3 + 2 = 5$

$805 \div 5 = 161$

Each of them would receive 161 stamps.

39)

Number of peacocks	Number of Peacock legs	Number of elephant	Number of elephant legs	Total	check
9	$2 \times 9 = 18$	9	$4 \times 9 = 36$	$36 + 18 = 54$	X
11	$2 \times 11 = 22$	7	$4 \times 7 = 28$	$28 + 22 = 50$	X
13	$2 \times 13 = 26$	5	$4 \times 5 = 20$	$20 + 26 = 46$	X
(14)	$2 \times 14 = 28$	4	$4 \times 4 = 16$	$16 + 28 = 44$	✓

There were 14 peacocks at the zoo.

40)  $4 \times 24 \text{ m} = 96 \text{ m}$

$5 \times 96 \text{ m} = 480$

He must pay \$480 to put a fence around hisland.