HENRY PARK PRIMARY SCHOOL
2010 SEMESTRAL EXAMINATION 2
MATHEMATICS
PRIMARY 3

100

Name: _____ ( ) Parent's Signature

Class: Pr 3' . _____ _____

Duration of Paper: 1 h 30 min

Section A: (20 x 2 marks = 40 marks)
Choose the correct answer and write its number in the brackets provided.
You are required to shade your answers in the OAS.

1. Eight thousand and thirteen can be written as _____.

(1) 813
(2) 8013
(3) 8030
(4) 8130

( )

2. What is the product of 9 x 287?

(1) 1823
(2) 1883
(3) 2523
(4) 2583

( )

3. Express 905 cm in m and cm.

(1) 9 m 5 cm
(2) 9 m 50 cm
(3) 90 m 5 cm
(4) 90 m 50 cm

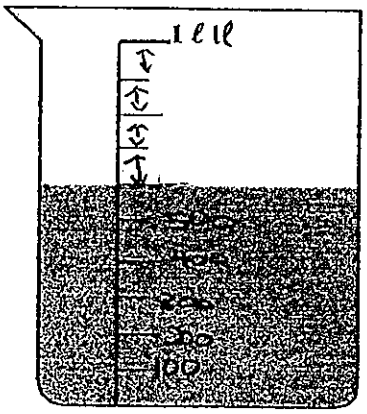
( )

4. What is 45 g more than 2 kg?

(1) 155 g
(2) 245 g
(3) 1955 g
(4) 2045 g

( )

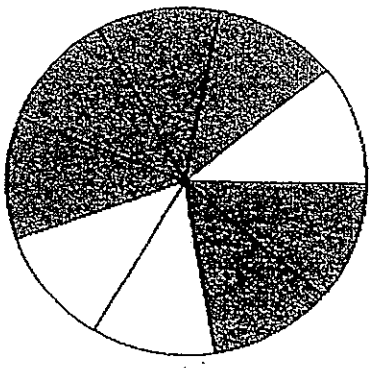
5. How much more water must be added to the container below to make 1 litre?



(1) 300 mℓ
(2) 400 mℓ
(3) 600 mℓ
(4) 700 mℓ

( )

6. What fraction of the following circle is shaded?



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

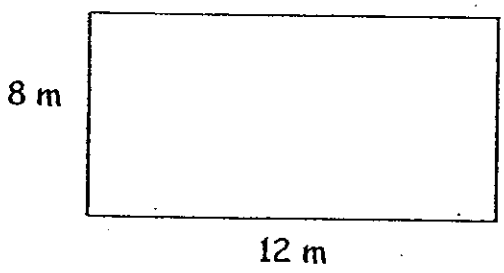
(2) $\frac{1}{3}$

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

(4) $\frac{4}{9}$

( )

7. A rectangular field has a length of 12 m and a breadth of 8 m. What is the area of the field?



(1) 20 m^2

(2) 40 m^2

(3) 96 m^2

(4) 192 m^2

( )

8. 5000 + ☐ + 30 + 5 = 5235

What is the missing value in the box?

(1) 2 tens
(2) 20 tens
(3) 20 hundreds
(4) 200 hundreds

9. The numbers below follow a pattern.

420, 410, 390, 360, 320, ☐, 210

What is the missing number in the box?

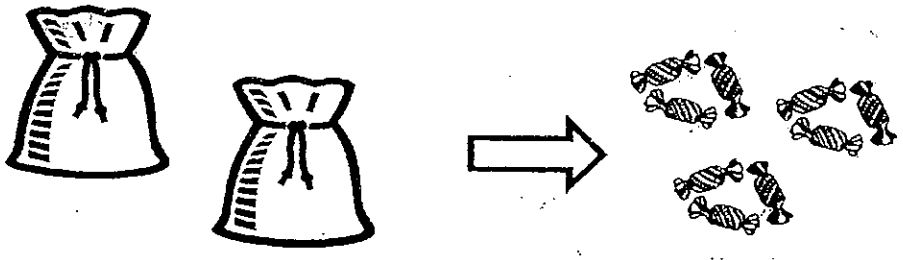
(1) 260
(2) 270
(3) 280
(4) 310

10. ☐ − 256 = 582

What is the missing number in the box?

(1) 326
(2) 334
(3) 738
(4) 838

11.



Emma had 2 packets of sweets. Each packet contained 24 sweets. She gave her pupils 3 sweets each and did not have any sweets left. How many pupils does she have?

(1) 8
(2) 12
(3) 16
(4) 36

( )

12. Mr Tseng bought a calculator for $17.65 and a pen for $5.95. If he gave the cashier $50, how much change would he get?

(1) $ 23.60
(2) $ 26.40
(3) $ 38.30
(4) $ 73.60

( )

13. Adriel started his Gymnastics lesson at 2.45 p.m. His lessons lasted 2 h 20 min. What time did his lesson end?

(1) 4.25 p.m.
(2) 4.45 p.m.
(3) 5.05 p.m.
(4) 5.20 p.m.

( )

14. Mrs. Lim bought 5 m of cloth. She used 4 m 30 cm of the cloth to make a dress. How much cloth was left?

(1) 31 cm
(2) 70 cm
(3) 1 m 30 cm
(4) 4 m 25 cm

(

15. A melon weighs 900 g. The mass of an orange is 350 g lighter than the mass of a melon. What is the total mass of the orange and the melon?

(1) 550 g
(2) 1250 g
(3) 1450 g
(4) 2150 g

( )

16. Which of the following is made up of a pair of equivalent fractions?

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

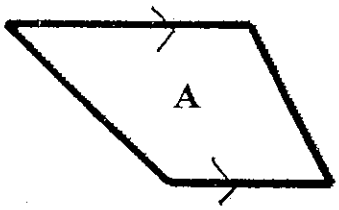
(2) $\frac{2}{4}$, $\frac{6}{8}$

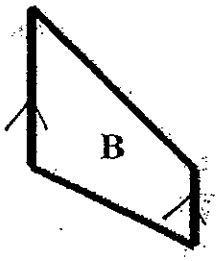
(3) $\frac{4}{6}$, $\frac{6}{9}$

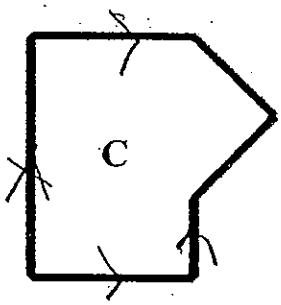
( )

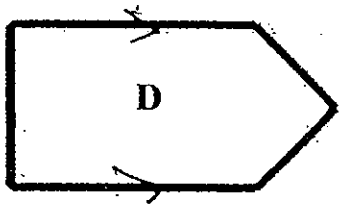
(4) $\frac{6}{9}$, $\frac{9}{12}$

17. Look at the figures below. Which figure has 2 pairs of parallel lines?









(1) A
(2) B
(3) C
(4) D (

18. A rectangle of length 6 cm has an area of 30 cm^2. What is the perimeter of the rectangle?

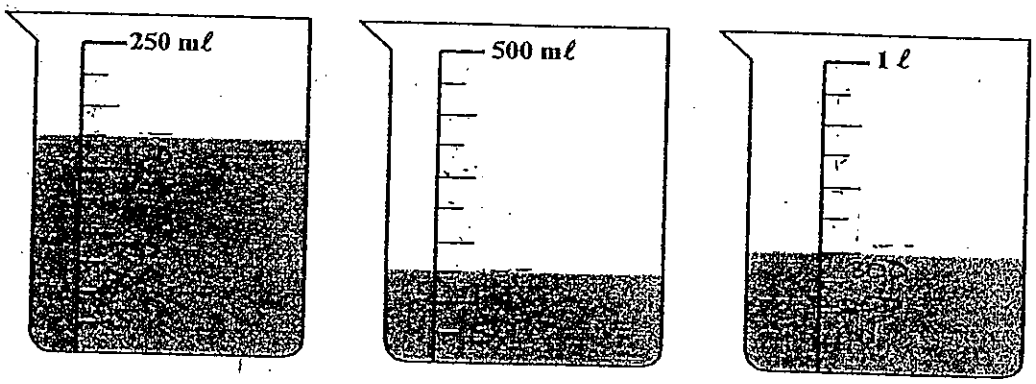
(1) 5 cm
(2) 22 cm
(3) 24 cm
(4) 36 cm (

19. Carena and Megan save some money every day. Each day, Carena saves the same amount of money, and each day Megan saves $1 more than Carena. After several days, Carena saved $18 and Megan has saved $27. How much does Megan save in 1 day?

(1) $5
(2) $2
(3) $3
(4) $9

( )

20. David wanted to drink 2 ℓ of water after a long run. He finished the water found in the three containers as shown below. How much more water must he drink?



(1) 600 mℓ
(2) 725 mℓ
(3) 1275 mℓ
(4) 1650 mℓ

( )

NAME: _____ ( )

CLASS: P3 _____

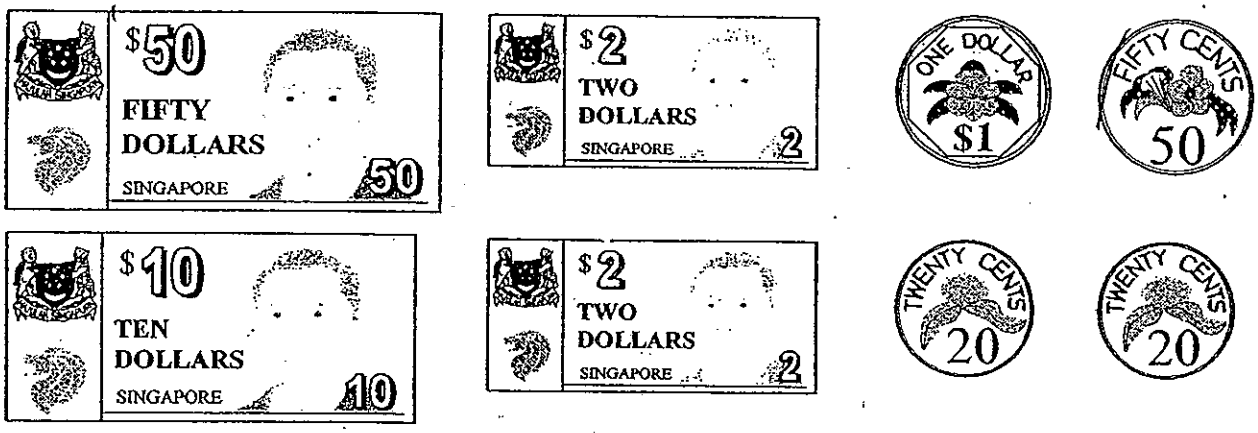
Section B: Open-Ended (20 x 2 marks = 40 marks)

Read the following questions carefully and write your answers in the boxes provided. Show all your workings clearly.

21. 529 ÷ 7 = _____ R _____

_____ R _____

22.



What is the total amount of money shown above?

$

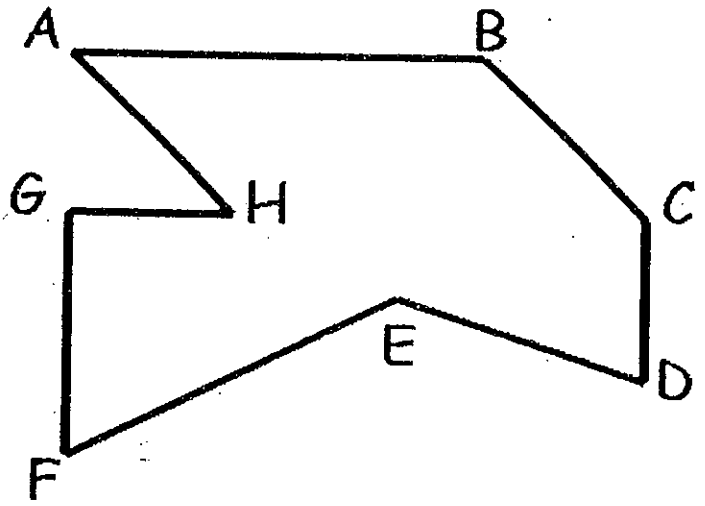
23. Express 3 kg 9 g in grams.

g

24. Find the sum of the following fractions. Write the answer in its simplest form.

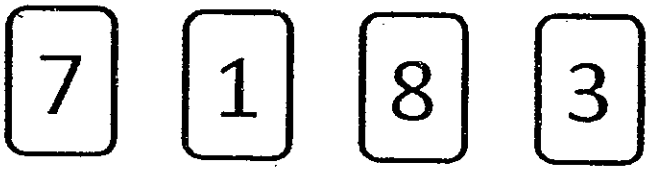
$\frac{2}{4}+\frac{2}{12}=$?

25. The figure below is made of straight lines.
Name a pair of perpendicular line in the figure.



$\perp$

26. What is the smallest odd number that can be formed using all the 4 digits shown below.



27. The numbers below follow a pattern. Find the values for A and B.

2 , 8 , 4 , A , 8 , 32 , 16 , 64 , B

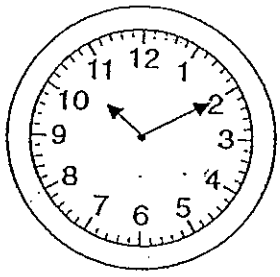
A =

B =

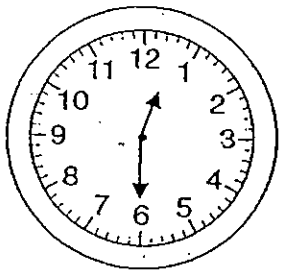
28. Jodie bought 2 books and 1 pen. Each book costs $14.50. If Jodie gave the cashier $50 and received a $11.35 change, what is the cost of one pen?

$

29. Simon watched a movie. He looked at the clock when the movie started and when the movie ended. How long was the movie in hours and minutes?



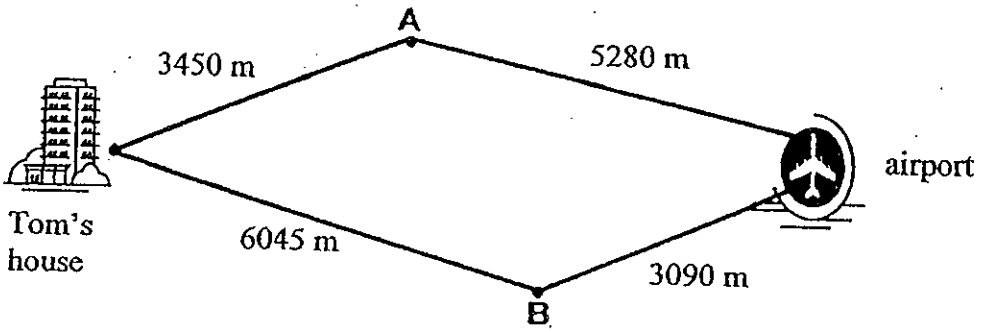
Start Time



End Time

_____h_____min

30. The figure below shows the 2 routes from Tom's house to the airport. Tom is late for his flight. What is the distance of the shortest route from his house to the airport?

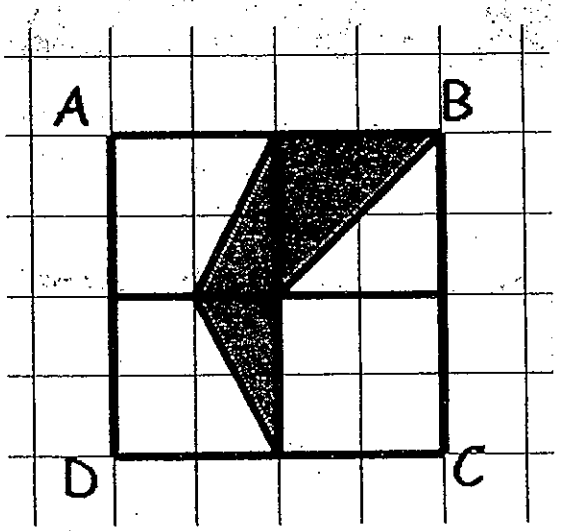


m

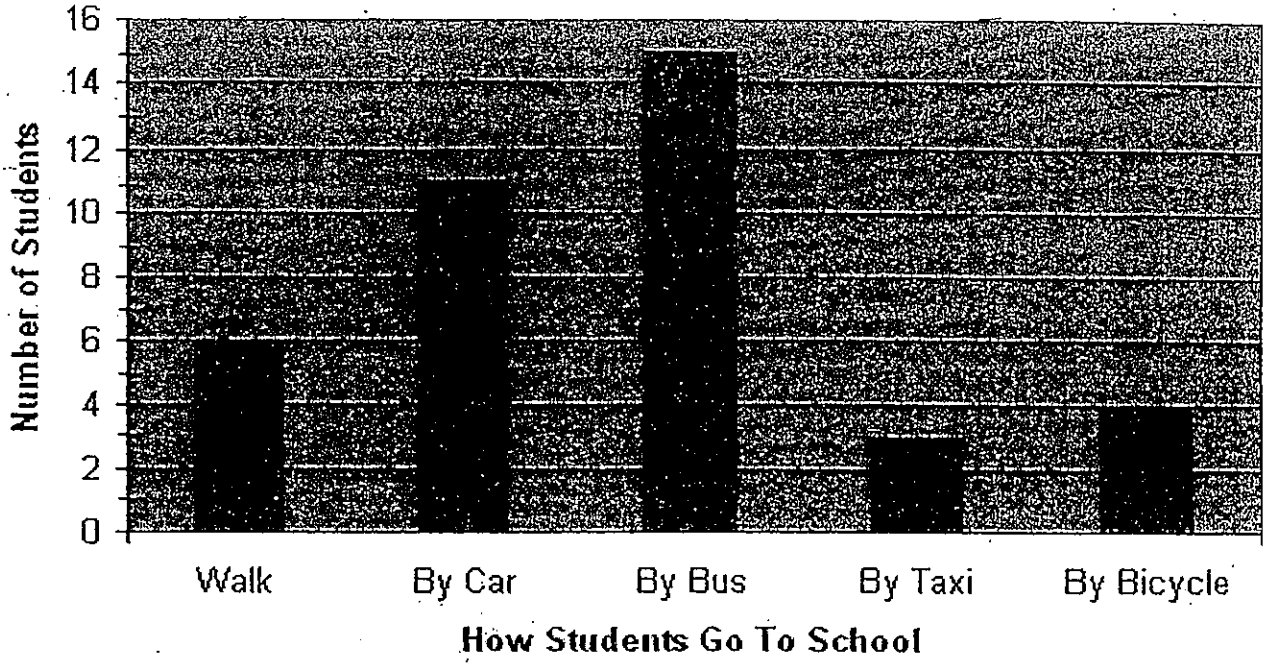
31. A bottle has 175 mℓ less water than a jar. A tank has 55 mℓ more water than the jar. How much more water does the tank have than the bottle?

mℓ

32. Look at the figure below. What fraction of the square ABCD is shaded? Write your answer in the simplest form.



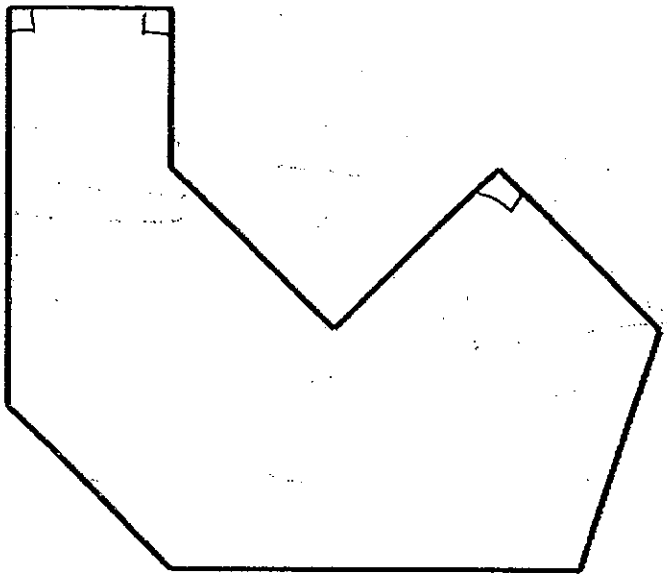
The following bar graph shows how a group of students travel to Berry Park Primary School daily. Study the graph carefully to answer questions 33 to 34.



33. How many more students go to school by car than by taxi?

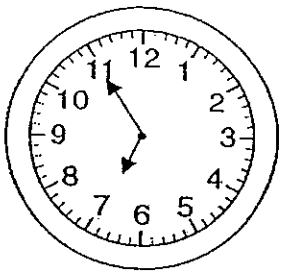
34. How many students are there in the group?

35. How many right angles are there inside the figure shown below?



36. There is a total of 545 durian and mango trees in an orchard. There are 4 times as many durian trees as mango trees. How many mango trees are there?

37. The clock in the hall is 20 minutes slow. It shows 6.55 a.m. now. What should the correct time be?



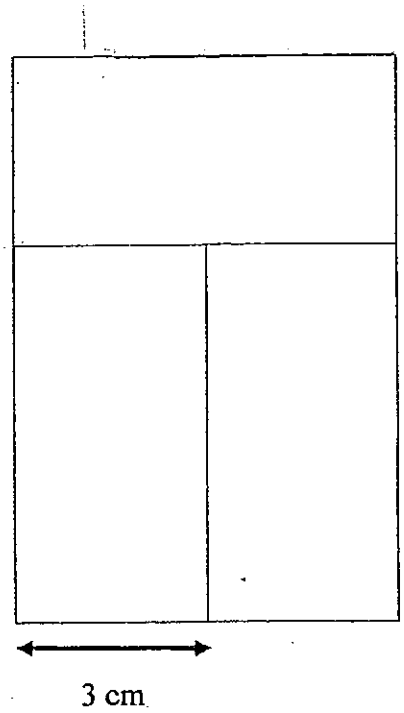
a.

38. Arrange these fractions from the smallest to the greatest.

$\frac{3}{4}$, $\frac{1}{3}$, $\frac{7}{12}$

39. 10 lamp posts were placed at regular intervals along a straight road. The distance between the 4th and 7th lamp post is 135m. How far is the 1st lamp post from the 10th lamp post?

10. The figure below is made up of 3 identical rectangles.
    a) Find the perimeter of the figure.
    b) Find the area of the figure



a)	cm
b)	cm^2

NAME:_____( )

CLASS: P3_____

Section C: Problem Sums (5 x 4 marks = 20 marks)

Read the problem sums carefully before solving it. Show all your workings clearly.

41. A number of men, women and children are watching a basketball competition. There are 270 men. There are 126 less women than men. There are 2965 more children than men. How many people are there at the stadium in total?

Working

42. Alice, Susan and Jane have 270 buttons. Alice has twice as many buttons as Susan. Jane has 3 times as many buttons as Alice. How many more buttons does Jane have than Susan?

Working

43. A handbag costs twice as much as a pair of shoes. Betty bought 1 handbag and 2 pairs of shoes. She gave the cashier $300 and received $48 as change. What is the cost of 1 pair of shoes?

Working

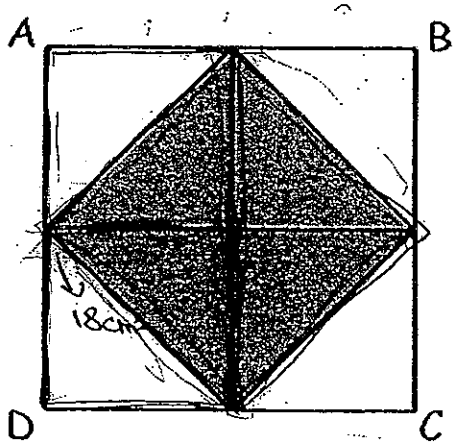
44. Ali has 3 times as many marbles as Bala. After Ali lost 4 marbles and gave Bala some marbles, the two boys now have the same number of marbles. Bala has 22 marbles now. How many marbles does Bala have at first?

Working

45. The square ABCD has an area of 72 cm^2. It is made up of 4 identical but smaller squares.

(a) Find the area of the shaded part.

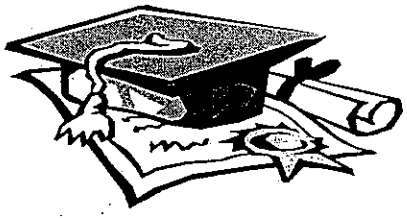
(b) Find the perimeter of the shaded part.



Working

-END OF PAPER-

Setters: Mr Tseng Lin Fang & Mdm Kerina Maskin

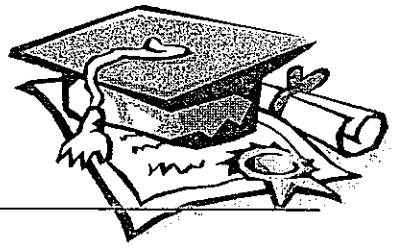


ANSWER SHEET

EXAM PAPER 2010

SCHOOL : HENRY PARK PRIMARY
SUBJECT : PRIMARY 3 MATHEMATICS

TERM : SA2



Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	Q16	Q17
2	4	1	4	2	3	3	2	2	4	3	2	3	2	3	3	3

Q18	Q19	Q20
2	3	3

21) 75 R 4

22) $65.90

23) 3009g

24) 2/3

25) GH ⊥ GF

26) 1387

27) A= 16, B= 32

28) $9.65

29) 2h 30min

30) 8730m

31) 230ml

32) ¼

33) 8

34) 39

35) 3

36) 109

37) 7.15am

38) 1/3, 7/12, ¾

39) 405m

40a) 30

40b) 54

41) 270 − 126 = 144
270 + 2865 = 3235
3235 + 144+ 270 = <u>3649</u>

42) 270 ÷ 9 = 30
30 x 6 = 180
180 − 30 =<u>150</u>

43) $300 − $48 = $252
$252 ÷ 4 = <u>$63</u>

44) 22 x 2 = 44
44 + 4 = 48
48 ÷ 4 = <u>12</u>

45a) $72cm^2 \div 4 = 18cm^2$
$18cm^2 + 18cm^2 = \underline{36cm^2}$

45b) $36cm^2 \div 6cm = 6m$
6cm x 4 = <u>24cm</u>