HENRY PARK PRIMARY SCHOOL
2013 SEMESTRAL EXAMINATION 2
MATHEMATICS
PRIMARY 3

100

Name:_____( )

Parent's Signature

Class: Primary 3 _____

_____

Duration of Paper: 1 h 30 min

Section A: (20 x 2 marks = 40 marks)
Read each question carefully. For each question, four options are given. One of them is the correct answer. Choose the correct answer and shade the oval (1, 2, 3 or 4) on the Optical Answer Sheet provided.

1. What is the value of the digit 7 in 9702?

   (1) 7
   (2) 70
   (3) 700
   (4) 7000 ( )

2. What is the remainder when 295 is divided by 4?

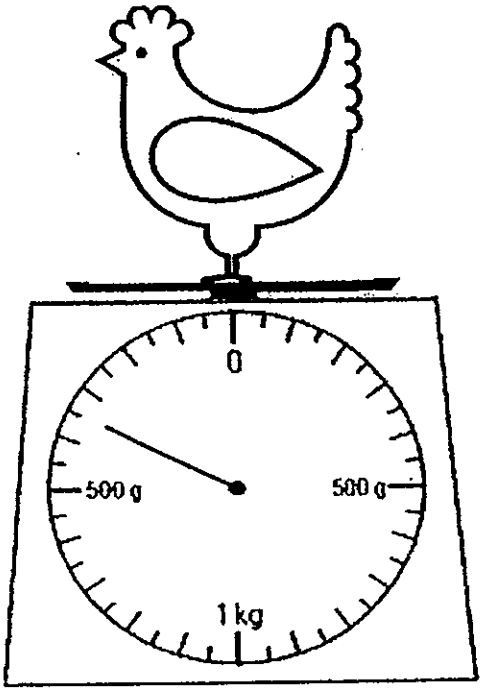
   (1) 1
   (2) 2
   (3) 3
   (4) 0 ( )

3. 3 m 8 cm = _____ cm.

(1) 38 cm
(2) 308 cm
(3) 380 cm
(4) 3008 cm

( )

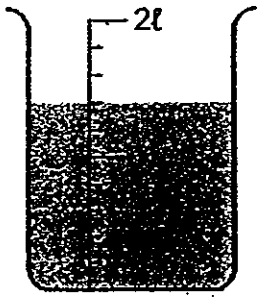
4. What is the mass of the chicken?



(1) 650 g
(2) 800 g
(3) 1650 g
(4) 1800 g

( )

5. What is the volume of water in the beaker?

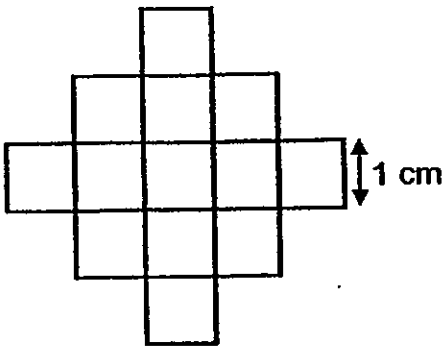


(1) 700 mℓ
(2) 1100 mℓ
(3) 1200 mℓ
(4) 1400 mℓ ( )

6. Which of the following fractions is <u>not</u> an equivalent fraction of $\frac{1}{3}$?

(1) $\frac{2}{6}$
(2) $\frac{3}{9}$
(3) $\frac{6}{8}$
(4) $\frac{4}{12}$ ( )

7. The figure below is made up of identical 1-cm squares.
What is the total area of the figure?



(1) 13 cm^2
(2) 20 cm^2
(3) 36 cm^2
(4) 52 cm^2 ( )

8. Multiply 29 tens by 3. The answer is _____.

(1) 627
(2) 670
(3) 870
(4) 873 ( )

9. What is the smallest 4-digit even number that can be formed with the digits 8, 3, 5 and 2?

(1) 2583
(2) 2538
(3) 2385
(4) 2358 ( )

10. The difference between two numbers is 1937. Given that the greater number is 7305, what is the smaller number?

(1) 5368
(2) 5378
(3) 6632
(4) 9242 ( )

11. $70 - 14 = \boxed{?} \times 7$
What is the missing number in the box?

(1) 7
(2) 8
(3) 49
(4) 56 ( )

12. Justin bought two items from a shop. He spent less than $15.
Which two items did he purchase?

notebook
$8.80

hole-puncher
$7.60

water bottle
$6.50

(1) a notebook and a water bottle
(2) a water bottle and a hole-puncher
(3) two hole-punchers
(4) a notebook and a hole-puncher ( )

13. The time shown on Brandon's watch is 12.05p.m. His watch is 15 minutes fast. What should the correct time be?

(1) 11.45 a.m.
(2) 11.50 a.m.
(3) 12.15 p.m.
(4) 12.20 p.m. ( )

14. Tom bought a ball of string. He used 172 cm of it to tie a box. He then cut the remaining length of string into 6 equal pieces of 14 cm each. What was the length of the whole ball of string Tom bought?

(1) 186 cm
(2) 192 cm
(3) 236 cm
(4) 256 cm ( )

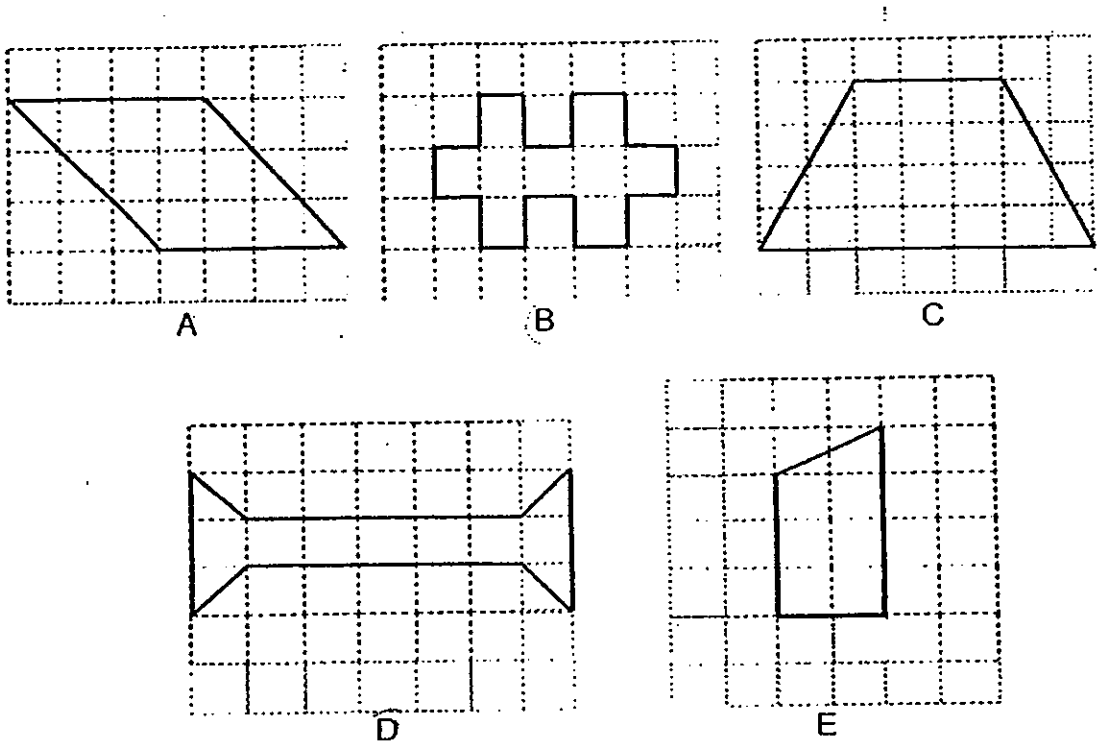
15. The mass of your Shaping Math Coursebook is about _____.

(1) 2 g
(2) 20 g
(3) 200 g
(4) 2000 g ( )

16. $\frac{1}{3} + \frac{1}{4} =$ _____.

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

17. Which of the following shapes have more than 1 pair of parallel lines?



(1) A, B and D
(2) A, C and E
(3) B, C and D
(4) B, D and E ( )

18. The length of a square is 9 cm. Find its perimeter.

(1) 18 cm
(2) 36 cm
(3) 72 cm
(4) 81 cm ( )

19. 1207 people participated in a swimming competition. 659 of the participants were adults. How many children participated in the swimming competition?

(1) 548
(2) 558
(3) 640
(4) 652 ( )

20. Jane filled an empty tank with 6 similar pails of water. Each pail contained 4 ℓ of water. She then used all the water in the tank to fill 3 identical jugs completely. What is the capacity of each jug?

(1) 8 ℓ
(2) 12 ℓ
(3) 18 ℓ
(4) 24 ℓ ( )

Name:_____( ) Class: Primary 3_____

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. 587 ÷ 7 = _____

22. Carl had $26.40. He had $7.70 less than Howard.
How much money does Howard have?

$

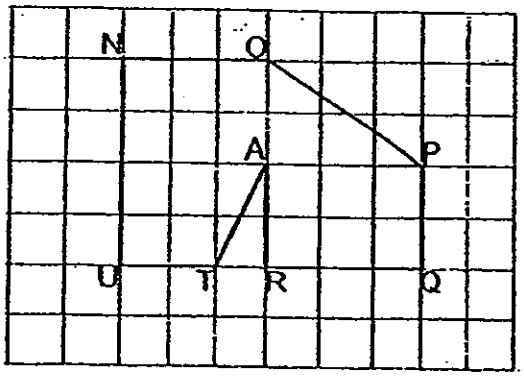
23. 5 kg 67 g = _____ g

g

24. $\frac{3}{4} = \frac{9}{?}$

What is the missing number in the box?

25. Name two pair(s) of perpendicular lines in the figure below.



26. Study the number pattern shown below.

4023, [?], 3823, 3723, 3623, 3523

What is the missing number in the box?

27. What digits do A and B represent?

$$\begin{array}{rcccc} & 7 & A & 6 & 1 \\ - & 2 & 7 & 9 & 2 \\ \hline & 4 & 2 & B & 9 \\ \hline \end{array}$$

A = , B = _____

28. ABC supermarket had a promotion on cones of ice-cream.
During the promotion, Gloria took 4 cones of ice-cream to the cashier.
How much did she have to pay for the 4 cones of ice-cream?

$

29. Both John and Sharon took part in a race that started at 8.00 a.m.
John took 40 min to complete the race while Sharon took twice as long as John to complete the same race. What time did Sharon complete the race?

a.m.

30. Daniel is 17 cm taller than Eileen. Fabian is 23 cm shorter than Eileen. What is the difference in height between Daniel and Fabian?

cm

31. George had 700 mℓ of apple juice. After drinking 100 mℓ of it, he poured the remaining apple juice equally into 2 identical jugs. How much apple juice did each jug contain?

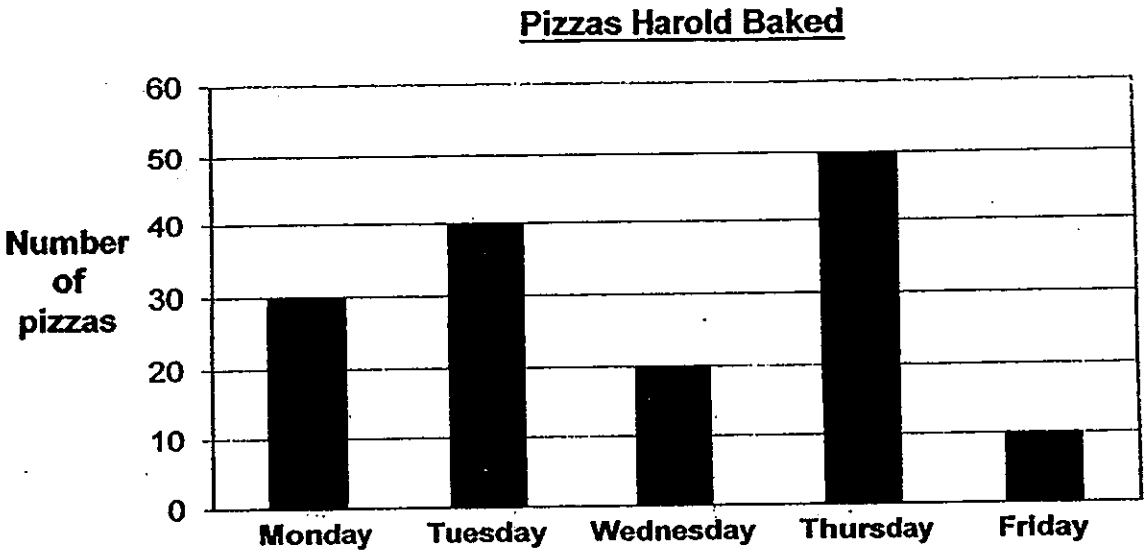
mℓ

32. Arrange the following fractions in **descending** order.

$$\frac{1}{2} \quad , \quad \frac{3}{4} \quad , \quad \frac{1}{3}$$

The graph below shows the number of pizzas Harold baked last week.

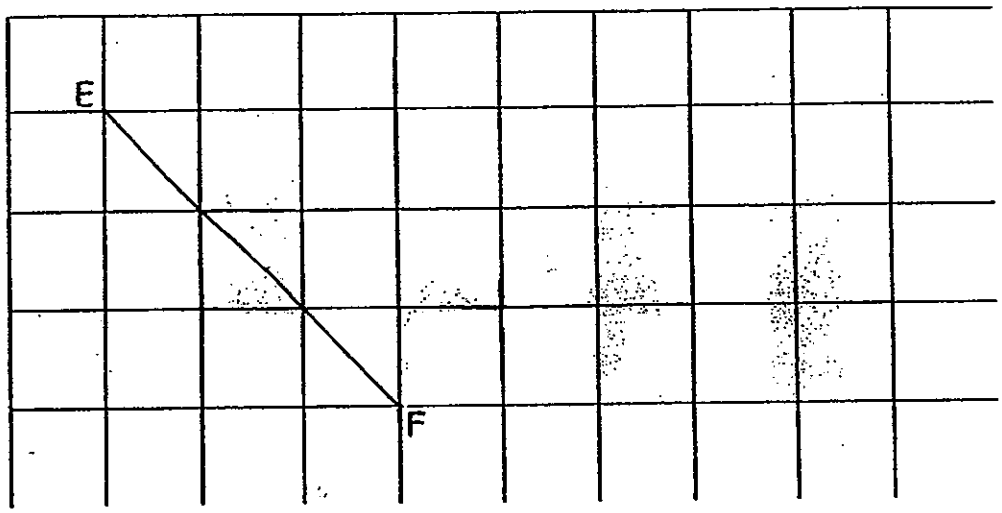
Use the graph to answer questions 33 and 34.



33. How many more pizzas did Harold bake on Thursday than on Monday?

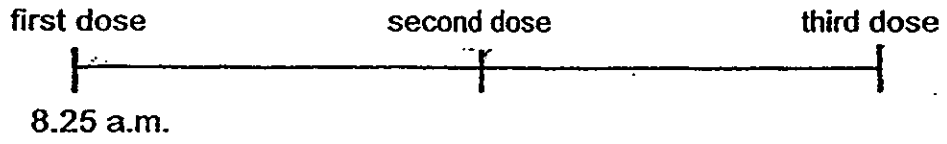
34. On which day did he bake twice as many pizzas as Wednesday?

35. Draw a line AB which is perpendicular to the line EF. Label the line AB.



36. Find the quotient when the sum of all the odd numbers between 12 and 18 is divided by 9.

37. Jia Ling had a fever and her doctor gave her some medicine to take once every 6 hours. Jia Ling took her first dose of medicine at 8.25 a.m. At what time should she take her third dose of medicine? (You may use the timeline to help you)



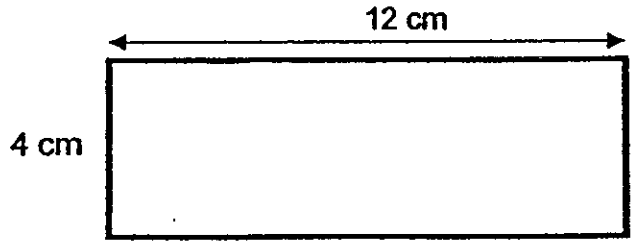
p.m.

38. Sally cycled 1398 m from her house to the pool. Lisa cycled half of the distance that Sally had cycled. What was the total distance the two girls cycled? Give your answer in kilometres and metres.

km m

39. Jane ate $\frac{1}{3}$ of a watermelon and gave $\frac{1}{6}$ of the watermelon to her neighbour. She then kept the rest of the watermelon in the fridge. What fraction of the watermelon did she keep in the fridge? (Give your answer in its simplest form)

40. Find the area of the rectangle shown below



cm^2

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

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

41. In a library, there were 3571 fiction books. There were 620 more non-fiction books than fiction books. How many fiction and non-fiction books were there in the library altogether?

Working

42. Ethan, Fred and George have 963 game cards altogether.

Fred has twice as many game cards as George.

Ethan has 3 times as many game cards as Fred.

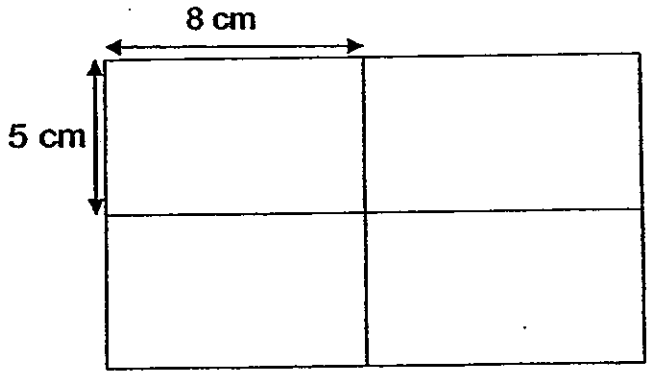
How many game cards does Fred have?

Working

43. Queenie baked 65 trays of cupcakes in the morning. In the afternoon, she baked 54 trays of cupcakes. Each tray contained 7 cupcakes.
How many cupcakes did Queenie bake in total?

Working

45. In the figure below, 4 identical rectangles are placed side by side to form a larger rectangle. What is the area of the larger rectangle?



Working

-END OF PAPER-

Setters: Mr Bernard Li
Mdm Yvonne Lee

44. Irene saved $85.10 in January. She saved $10.60 less in February than in January. How much money did Irene save in these two months?

Working

ANSWER SHEET

EXAM PAPER 2013
SCHOOL : HENRY PARK PRIMARY SCHOOL
SUBJECT : PRIMARY 3 MATHS

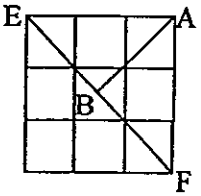
TERM : SA2

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

Q18	Q19	Q20
2	1	1

Section B

Q21) 83kg
Q22) $34.10
Q23) 5067g
Q24) 12
Q25) UN ⊥ NO, NU ⊥ UT
Q26) 3923
Q27) A = 0, B = 6
Q28) $3.60
Q29) 9.20am
Q30) 40cm
Q31) 300ml
Q32) 3/4, 1/12, 1/3
Q33) 20
Q34) Tuesday
Q35)



Q36) 5
Q37) 8.25pm
Q38) 2km 97m
Q39) 1/2
Q40) 48cm^2

Section C
Q41) 3571 + 620 = 4191
3571 + 4191 = 7762 (Ans)

Q42) 963 ÷ 9 = 107
107 x 2 = 214 (Ans)

Q43) 65 + 54 = 119
119 x 7 = 833 (Ans)

Q44) $8510 – $1060 = $7450
$7450 + $8510 = $15460 (Ans)

Q45) 8 + 8 = 16
5 + 5 = 10
16 x 10 = 1600cm^2 (Ans)