HENRY PARK PRIMARY SCHOOL
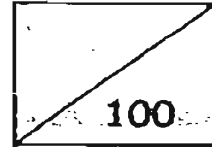## END-OF-YEAR EXAMINATION 2007
MATHEMATICS
PRIMARY 3

NAME:_____ (   )

CLASS: PRIMARY 3 _____

DURATION: 1 h 30 min

100

Section A: (2 marks each)
Choose the correct answer for each question and write its number (1,2,3,or 4) in the brackets provided. You are required to shade the OAS at the end of the examination.

1)   640 is _____ less than 7380.

      1)   6340
      2)   6740
      3)   7340
      4)   7740   (   ).

2)   What is the product of 876 x 8?

      1)   6478
      2)   6968
      3)   7008
      4)   7288   (   )

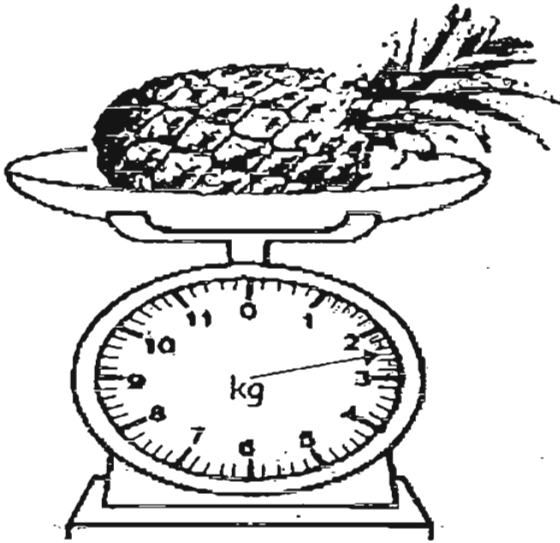3)   3 km 75 m is equal to _____ m.

      1)   375
      2)   3 075
      3)   3 705
      4)   3 750   (   )'

4)

What is the mass of the pineapple on the weighing scale?

1)   2 kg 50g
2)   2 kg 200g
3)   2 kg 250g
4)   2 kg 500g   (-)

5)   Pail A can hold 3 878 mℓ of water. Pail B can hold 59 mℓ lesser water than Pail A. How much water can Pail B hold?

1)   3 811 mℓ
2)   3 819 mℓ
3)   3 829 mℓ
4)   3 937 mℓ   (.)

6)   Which of the following is **not** an equivalent fraction of $\frac{3}{12}$?

1) $\frac{1}{4}$
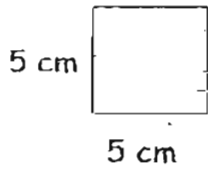
2) $\frac{2}{6}$

3) $\frac{2}{8}$

4) $\frac{4}{16}$ (   )

7)   Each side of the square is 5 cm long. What is the area of the square?

5 cm ⬜
      5 cm

1)   5 cm^2
2)   10 cm^2
3)   20 cm^2
4)   25 cm^2 (   )

3

8) Look at the following number pattern.

65	108	A
35	78	236
15	58	216
5	48	206

A is _____.

1) 246
2) 256
3) 266
4) 276   (   )

9) Use the digits 7, 6, 4, and 0 to form the **smallest** possible 4-digit **even** number.

1) 4706
2) 4607
3) 4076
4) 4067   (   )

4

10). What is the missing digit in the box?

$$
\begin{array}{r}
7\ \ 5\ \ 6\ \ 4 \\
-\ 2\ \ \boxed{}\ \ 8\ \ 9 \\
\hline
5\ \ 4\ \ 7\ \ 5 \\
\hline
\end{array}
$$

1)   1
2)   0
3)   8
4)   9   (   )

11)   Tom has 8 albums which contain 7 pages of stickers in each album. If there are 24 stickers in each album, how many stickers does Tom have in all?

1)   39
2)   192
3)   360
4)   1344   (   )

12)   How much does Irene have if she is given 6 fifty-cent coins, 7 twenty-cent coins and 5 ten-cent coins?

1) $ 1.93
2) $ 2.20
3) $ 4.90
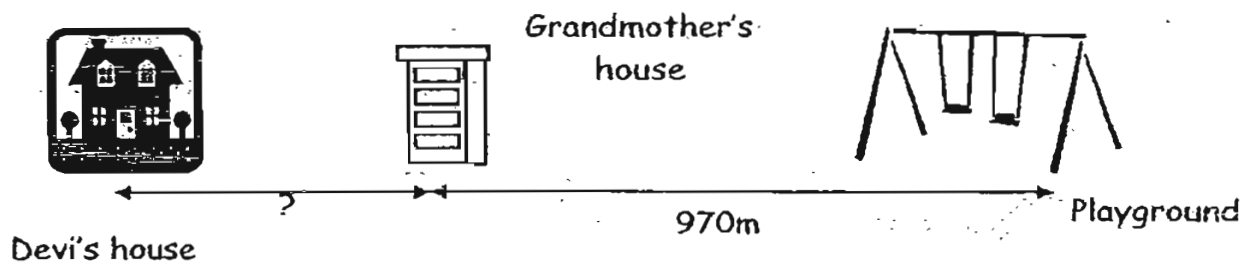4) $ 6.75   (   )

5

13) The time shown on Ahmad's watch is 2.15 p.m. His watch is 25 minutes slow. The correct time on his watch should be _____ p.m.

 1) 1.50
 2) 1.55
 3) 2.30
 4) 2.40   (   )

14) The diagram shows the route taken by Devi to walk from her house to her grandmother's house and then to the playground. The total distance covered by Devi was 2020 m. What was the distance she walked from her house to her grandmother's house?

Grandmother's house

970m   Playground

Devi's house

 1) 1 km 50 m
 2) 1 km 190 m
 3) 1 km 500 m
 4) 2 km 990 m   (   )

15) The mass of an apple is 132 g. The mass of a durian is 3 095 g. The total mass of the 2 fruits is _____.

 1) 2 kg 963 g
 2) 3 kg 227 g
 3) 4 kg 082 g
 4) 4 kg 127 g   (   )

6

16) What is the sum of $\frac{1}{4}$, $\frac{1}{8}$ and $\frac{1}{2}$?

1) $\frac{3}{8}$
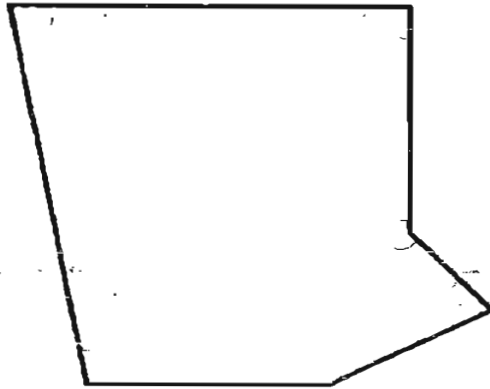
2) $\frac{7}{8}$

3) $\frac{4}{10}$

4) $\frac{3}{14}$ (   )

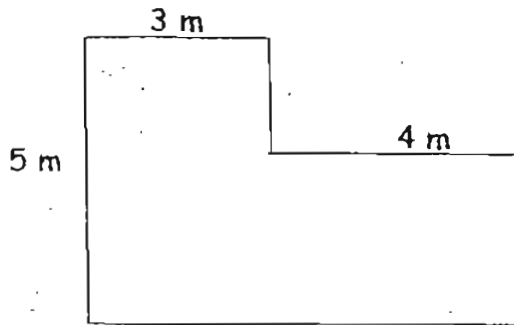17) How many angles are there inside the figure shown below?
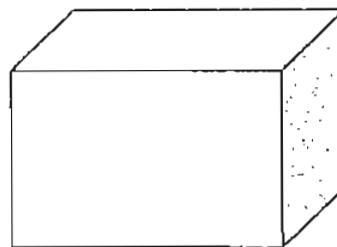

1)   4
2)   5
3)   6
4)   7   (   )

18)

3 m

5 m

4 m

Mr Phua wants to build a fence around his garden as shown above. What is the length of fencing he needs to buy?

1) 21 m
2) 22 m
3) 24 m
4) 25 m   ( )

19) Cup A contains 240 mℓ of water and Cup B contains 180 mℓ more water than Cup A. The water in both cups is emptied into an empty tank as shown below. Find the volume of water in the tank.

1) 300 mℓ
2) 420 mℓ
3) 600 mℓ
4) 660 mℓ

Cup A   Cup B

Tank   ( )

20) The table below shows the marks of 3 students. Part of the marks obtained by Francis and George has been covered. What could George's marks be?

Eddie	3 8
Francis	4
George	3
Total Marks	1 2 2

1) 30
2) 32
3) 34
4) 37   (   )

Answer the following questions. Write your answers in the boxes provided.
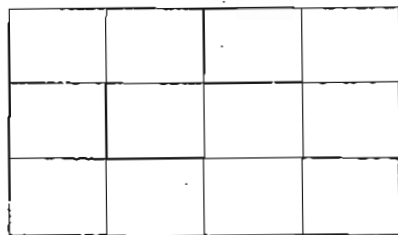
21)   Fill in the missing signs so that the number sentence is correct.

8 [   ] 3   =   96 ÷ 4

[   ]

22)   Mr Tan gave $ 35.00 to his son and $ 46.50 to his daughter. How much more money did his daughter receive than his son?
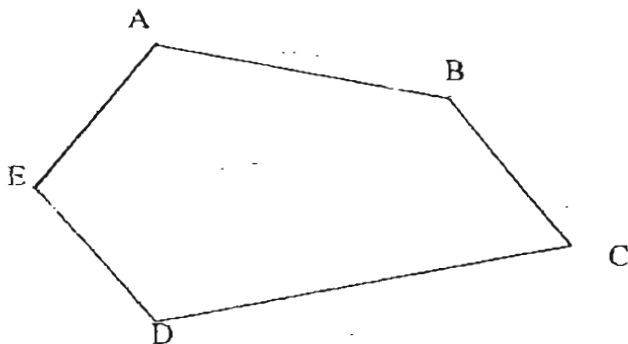
$

23)   Bala's mass is 48 kg. He is twice as heavy as Sulin. What is their <u>total</u> mass?

_ kg

10

24) Lily wants to shade the figure below to show the **answer** for the
difference between $\frac{1}{4}$ and $\frac{1}{12}$. How many rectangles should he shade?

$\boxed{\qquad \text{rectangles}}$

25) Name the pair of parallel lines in the figure below.

$\boxed{\text{\_\_\_\_ and \_\_\_\_}}$

26) How many times does the digit 8 appear in the numbers from 1 to 80?

$\boxed{\qquad}$

27) A delivery man loaded 780 eggs onto his truck. During the delivery, 200 eggs got broken. He delivered the remaining eggs equally to 5 bakeries. How many eggs did each bakery get?

28) A packet of biscuits cost $ 1.20. Mary bought 2 packets of biscuits. She gave the shopkeeper $ 5.00. How much change did she receive?

$

29) Sam took 2h 20min to paint his room. He started at 8.45 a.m. He finished painting his room at _____ a.m.

30) A rope is 6 m long. Siti cuts the rope into 2 pieces. The shorter piece is 250 cm long. What is the length of the longer piece?

	cm

31) Ali pours some orange juice from a jug into 2 identical glasses. Each glass contains 300 ml of orange juice. There is 500 ml of orange juice left in the jug. What is the capacity of the jug?
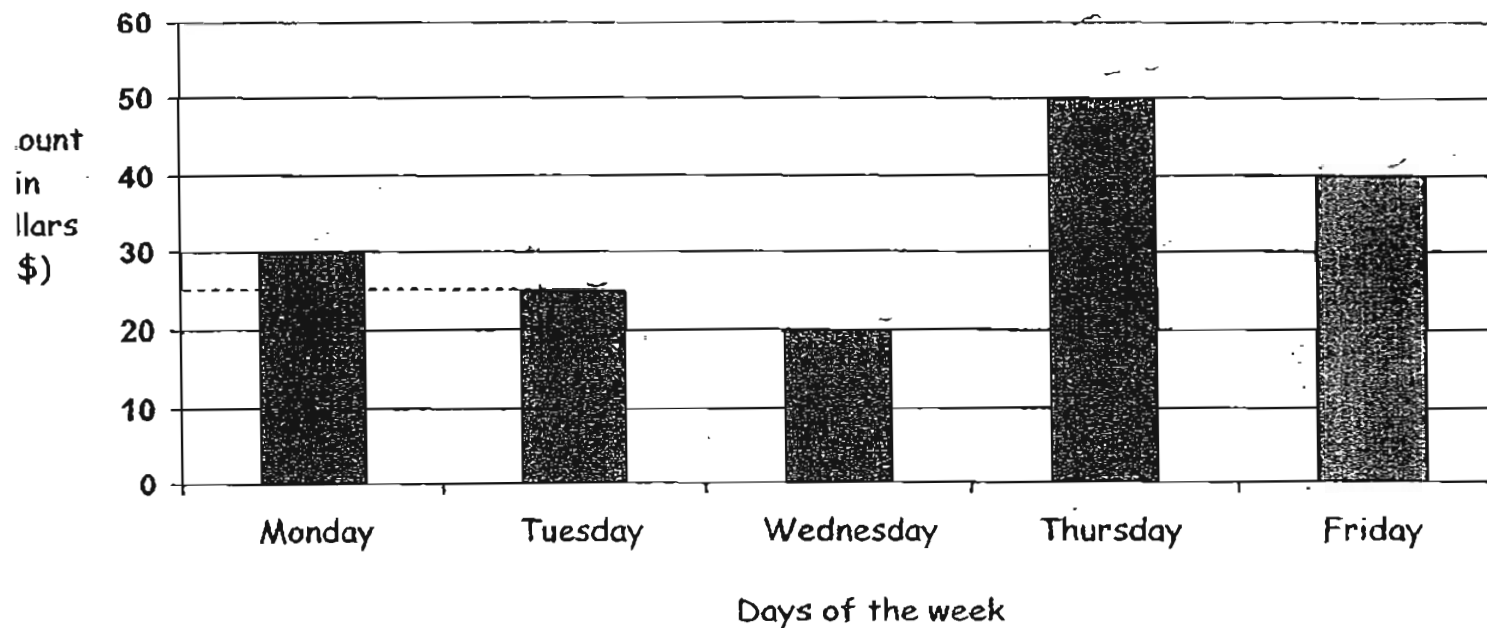
	ml

32) Arrange the fractions in order, beginning with the smallest.

$$\frac{2}{3} , \quad \frac{7}{12} , \quad \frac{5}{6}$$

The graph below shows the amount of money earned by Mrs Brown last week.
Use the graph to answer question 33 and 34.
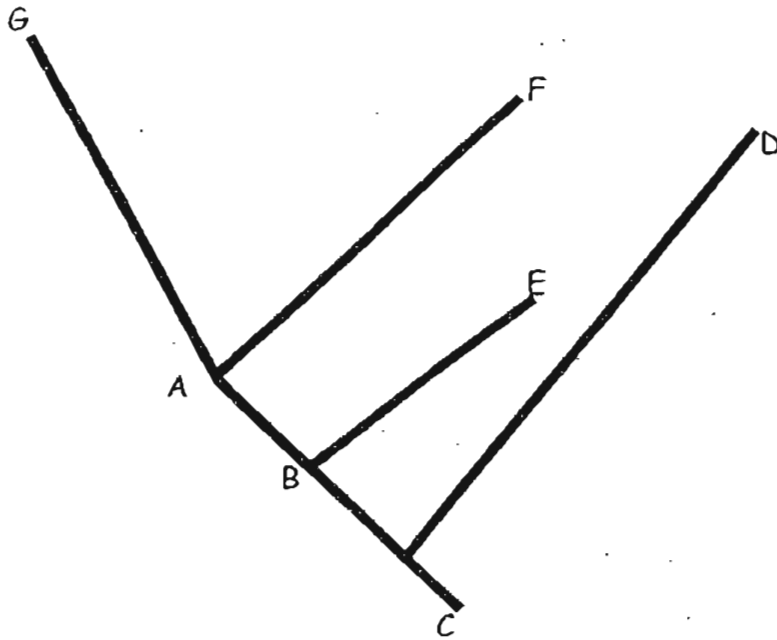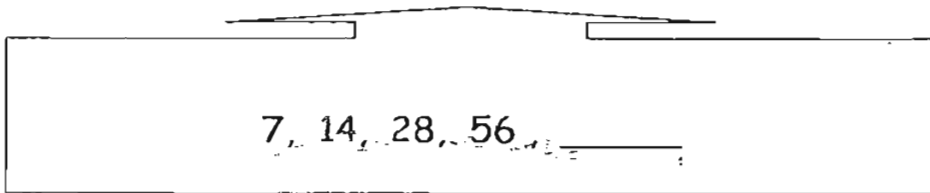
Mrs Brown's earnings

33) How much more did she earn on Thursday than on Wednesday?

$ [   ]

34) On which day did she earn twice as much money as Wednesday?

[   ]

35) Which line is perpendicular to line AF?

36) What is the missing number in the number pattern below ?

7, 14, 28, 56, _____

37) Koko earns $50 an hour for a storytelling session at a library. The time table below shows the amount of time she spends conducting the storytelling sessions in a week.

Mon	1 h
Tue	30 min
Wed	1 h 30 min
Thu	1 h

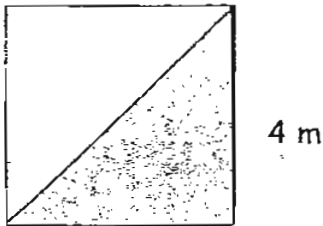How much does she earn from conducting the storytelling sessions in a week?

$

38) Rope A is 31 cm shorter than Rope B. Rope C is 24 cm longer than Rope B. Find the difference in length between Rope A and Rope C.

cm

16

39) Jane is half as old as Tom. Tom is half as old as Dick. Their ages add up to 112 years old. How told is Dick?

_____ years

40) The length of 1 side of a square room is 4 m. Mr. Li covered the floor of the room with carpet as shown in the shaded portion of the figure below. What area of the floor was covered with carpet?
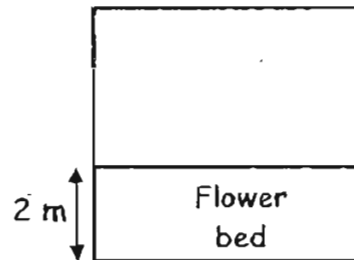
4 m

m²

Do these problem sums. Show your working clearly in the space provided.

41) Jane has 20 marbles less than Mary. Lucy has the same number of marbles as Jane. If they have 290 marbles in all, how many marbles does Mary have?

42) Amos bought a packet of marbles. He gave half of the packet of marbles to his cousin and gave Tim and Sam 4 marbles each. He found that he had 6 marbles left. How many marbles did Amos buy?

43)   Sam bought a shirt and a wallet for a total cost of $72. The wallet
        cost thrice as much as the shirt. What is the cost of the wallet?

44)   The area of a square plot of land is 64 m². If the breadth of the
        rectangular flower bed is 2 m, what is the perimeter of the
        rectangular flower bed on this plot of land ?

2 m   Flower
       bed

45)   The prices of two sizes of candles at a shop are shown below.

| Small candle | $1 each |
| Large candle | $2 each |

Jack bought 4 more small candles than large candles. He spent $28 altogether. How many small candles did he buy?

Henry Park Primary School
Primary 3 SA2 Maths Exam (2007)

Answer Keys

| 1) 2 | 2) 3 | 3) 2 | 4) 4 | 5) 2 |
| 6) 4 | 7) 4 | 8) 3 | 9) 3 | 10) 2 |

| 11) 4 | 12) 3 | 13) 4 | 14) 1 | 15) 2 |
| 16) 2 | 17) 3 | 18) 3 | 19) 4 | 20) 4 |

21. X

22. $11.50

23. 72kg

24. 2

25. ED and BC

26. 9

27. 116 eggs

28. $2.60

29. 11.05am

30. 350cm

31. 1100mℓ

32. $\frac{7}{12}, \frac{2}{3}, \frac{5}{6}$

33. $30

34. Friday

35. AB

36. 112

37. $200

38. 5cm

39. 64

40. $8m^2$

41. 110 marbles

42. 28 marbles

43. $54

44. 20m

45. 12small candles