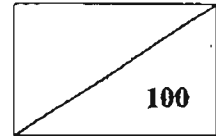## HENRY PARK PRIMARY SCHOOL
## MID-YEAR EXAMINATION 2007
## MATHEMATICS
## PRIMARY 4

100

NAME: _____ (   )    DATE: _____

CLASS:   Pri 4 _____    DURATION:    1 h 45 min

### Section A : ( 15 x 2 marks = 30 marks )
**Read each question carefully. For each question, there are 4 options given. Choose the correct answer and write the number in the brackets provided.**

1.    In 32 916, the digit '2' is in the _____ place.

    (1)    tens
    (2)    hundreds
    (3)    thousands
    (4)    ten thousands

    (        )

2.    What is the product of 812 and 26?

    (1)    20 012
    (2)    20 112
    (3)    21 102
    (4)    21 112

    (        )

I

3. Express $\frac{21}{4}$ as a mixed number.

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

   (2)   $4\frac{1}{2}$
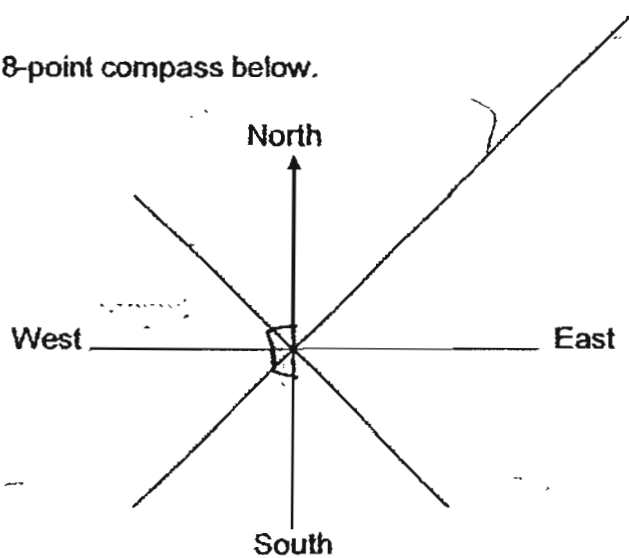
   (3)   $4\frac{1}{5}$

   (4)   $5\frac{1}{4}$

                                                      (     )

4. Look at the 8-point compass below.



Mrs Tan is facing south. If she turns in a clockwise direction, find the angle that she needs to turn to face north-east.
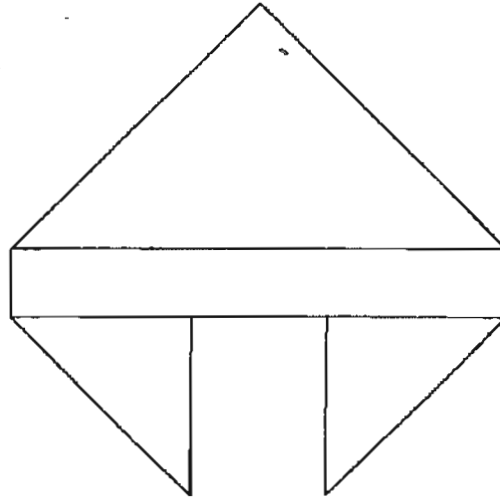
   (1)   45°
   (2)   135°
   (3)   225°
   (4)   315°

                                                        (     )

5.  How many pairs of parallel lines are shown in the figure below



(1)    8 7
(2)    5
(3)    3. .....
(4)    49

(     )

6.  Look at the number pattern below.

51 969,    53 019,  [          ]  ,    55 119,   56 169

What is the missing number in the box?

(1)    54 059
(2)    54 069
(3)    54 159
(4)    54 169

(     )

7. The table below shows the distance Mrs Lim swims in 4 days.

| Day | 1 | 2 | 3 | 4 |
|---|---|---|---|---|
| Distance (m) | 250 | 500 | 1000 | ... |

What is the total distance she would have swum in 4 days?

(1)  1 250 m
(2)  1 500 m
(3)  3 000 m
(4)  3 750 m

(    )

8. Wee Kiat bought 11 packets of straws. If each packet contained 88 straws, how many straws did he buy altogether?

(1)  8
(2)  77
(3)  99
(4)  968

(    )

9. There were 120 children at a party. If 30 boys attended the party, what fraction of the children were girls?

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

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

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

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

(    )

4

56

10.    Which one of the following has the greatest value?

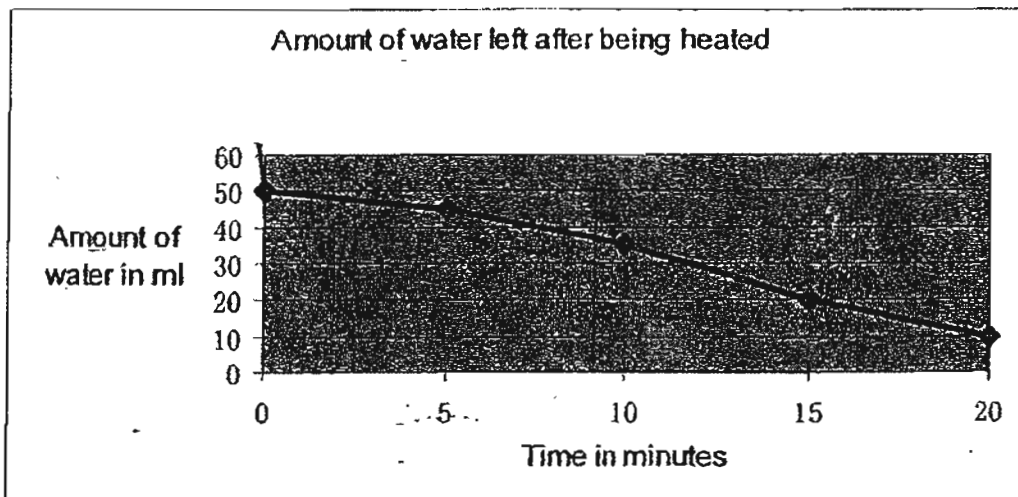(1)    $\frac{1}{2}$ of 16

(2)    $\frac{1}{4}$ of 12

(3)    $\frac{1}{8}$ of 32

(4)    $\frac{1}{9}$ of 18

(        ) .

11.    The line graph below shows the amount of water left in a beaker when being heated. Study the graph and answer the question carefully.
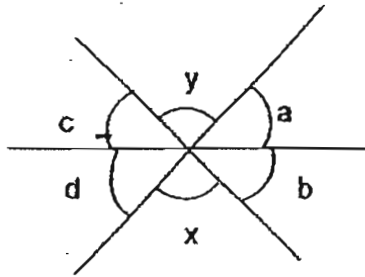


Amount of water left after being heated

Amount of water in ml

Time in minutes

Which period of time did the quantity of water decrease the most?

(1)    0 min – 5 min
(2)    5 min – 10 min
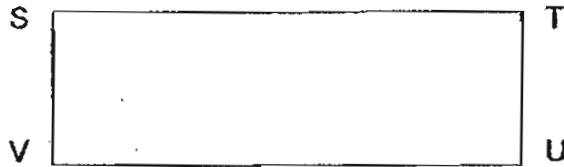(3)    10 min – 15 min
(4)    15 min – 20 min

(        )

5

57

12. The following diagram is made up of 3 straight lines.
   If $\angle a = \angle b = \angle c = \angle d = 45°$, then $\angle y + \angle c =$ _____ °.
   ( Note : The angles are not drawn to scale. )



   (1)   45°
   (2)   90°
   (3)   135°
   (4)   180°

   (    )

13. Look at the rectangle STUV shown below.



   Which one of the following statements is **incorrect**?

   (1)   ST is parallel to UV
   (2)   SV is a horizontal line
   (3)   UV is perpendicular to TU.
   (4)   The angle formed by the line VS and TS is a right angle

   (    )

6

14. Sean has 670 stickers. Glen has 3 times as many stickers as Sean. How many stickers must Glen give Sean so that they will have the same number of stickers?

    (1)    335
    (2)    670
    (3)    1 005
    (4)    1 340

                                                                    (      )

15. Regina finished reading $\frac{1}{2}$ of her story book on Monday. The next day she continued reading from page 34. What was the total number of pages in her story book?

    (1)    66
    (2)    67
    (3)    68
    (4)    69

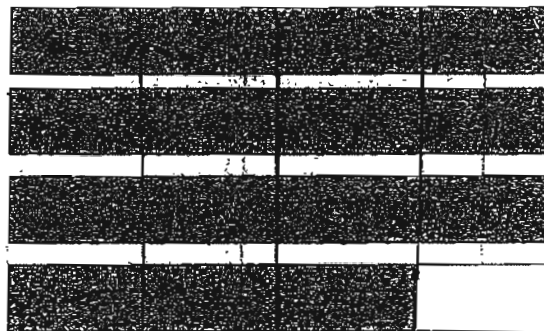                                                                    (      )

7

Read the questions carefully and write the correct answer in the boxes provided. Show all workings clearly.
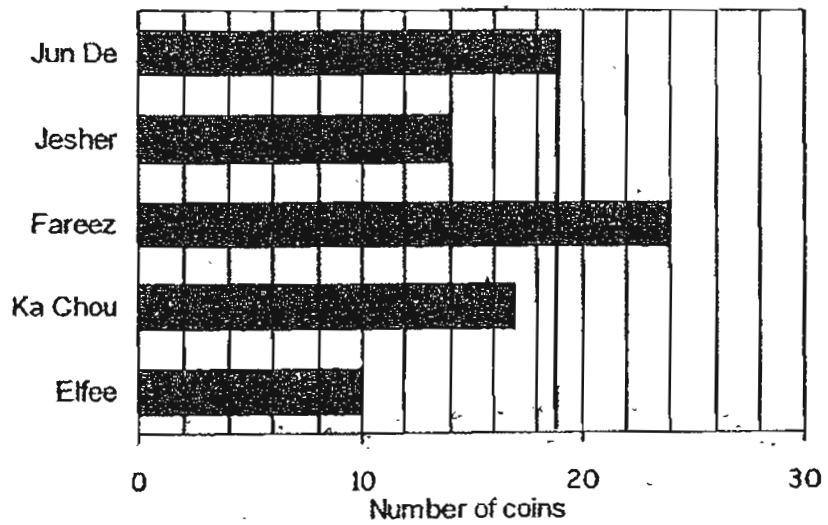
16.   Write 92 041 in words.

_____

17.   What is 50 tens ÷ 10?

18.   Find the sum of $\frac{3}{4}$ and $\frac{5}{12}$. Express your answer in the simplest form.

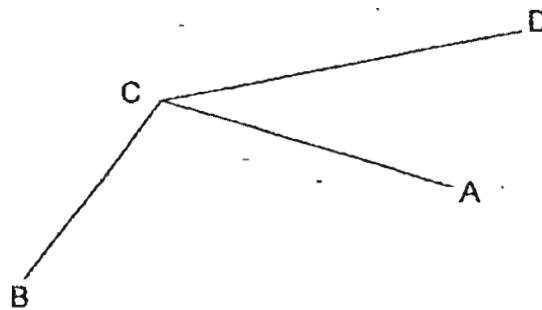19.   Write an improper fraction for the following figure.

8

60

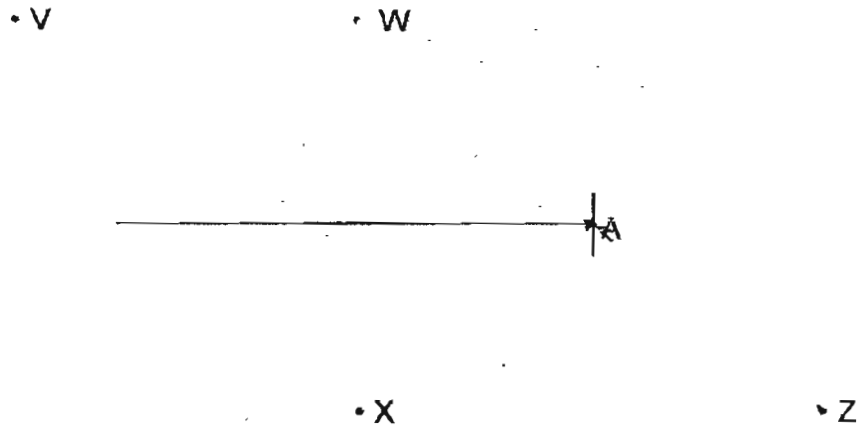The bar graph shows the number of coins 5 boys have. Study the graph carefully and answer question 20.



20. How many coins do the boys have altogether?

21. Measure ∠ACB with a protractor.



9

22.    Draw a line to create an angle of 140° at point A. Your line must pass through either points V, W, X or Z.

· V                          · W


A

· X                                          · Z


23.    Draw a line perpendicular to PQ through the point M.

P


·  M


Q


24.    How many thirds are there in $4\frac{3}{9}$?

25.    List all the common factors of 12 and 28.

┌─────────────────┐
│                 │
│                 │
└─────────────────┘

26.    Rachel earned $2 015 last month. She earned $3 748 this month. How much money did she earn altogether? Round off your answer to the nearest hundred.

┌─────────────────┐
│ $               │
└─────────────────┘

27.    What is the remainder when 6 381 is divided by 7?

┌─────────────────┐
│                 │
│                 │
└─────────────────┘

11

28. Jun Ren had a packet of chocolates. Muhammad took $\frac{2}{3}$ of the packet of chocolates and Syakir took $\frac{1}{9}$ of it. What fraction of the packet of chocolates was left?

29. Mrs Tan spent $\frac{1}{10}$ of her savings on a sofa and $\frac{2}{5}$ of it on some furniture. She still had $5000 left. How much money did she spend on the furniture?

$

30. Jian Qing made 60 paper stars. He gave $\frac{7}{12}$ of them to his sister. How many paper stars had he left?

12

Haziqah, Ramasamy, Varna, Shan Qi and Regina collected some seashells on the beach. The graph below shows the number of seashells collected by the 5 children. Study the graph and answer questions 31 and 32.
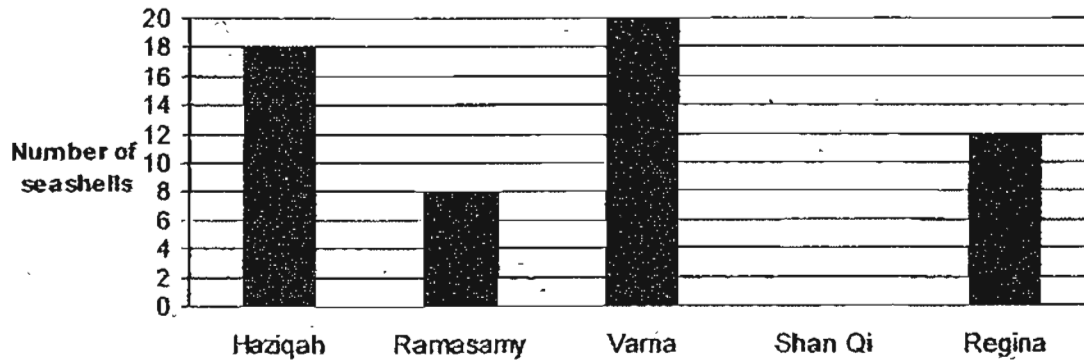


31. If the 5 children collected 72 seashells altogether, complete the graph shown above to show the number of seashells that Shan Qi had collected.

32. How many seashells must Varna give to Ramasamy so that both of them will have an equal number of seashells?

|  |
|---|
| seashells |

33. Emily made 4283 curry puffs. She wants to pack them all in boxes. If each box can contain 8 curry puffs, how many boxes will she need to pack them all?

```
┌──────────────┐
│              │
└──────────────┘
```

34. $\smiley \times \smiley = 64$

$\smiley \times 70 = \sun$

Find the value of $\sun$

```
┌──────────────┐
│              │
└──────────────┘
```

35. What is the missing number in the box?

```
        _3  4  '7   4·
    X          ┌──┐  3
    ────────   └──┘────
      1  0 .4·  2   2
  + 6  9  '4'  8   0
    ──────────────────
    7  9  9   0   2
```

```
┌──────────────┐
│              │
└──────────────┘
```

Read the following problem sums carefully. You may draw models to help you. Show all workings clearly in the spaces provided. ,

36.    12 groups of children went to the beach. There were 10 boys and 20 girls in each group. How many children went to the beach altogether?

(3 marks)

37.    A shopkeeper has 3 878 pencils He sold 36 pencils and-packed the remaining number of pencils into bundles of five. How many pencils would **not** be packed?                                                                (3 marks)

15

38. Niken has some cows and chickens on his farm. There are five more chickens than cows. If there are 148 legs altogether, how many chickens are there? (4 marks)

39. Berlindia bought $1\frac{3}{4}$ kg of prawns. Jai Yi bought $\frac{1}{2}$ kg of prawns less than Berlindia and Sadana bought $\frac{5}{8}$ kg more than Jai Yi. How many kilograms of prawns did Sadana buy? (4 marks)

69

40. Min Jee and Belancia had 2 075 seashells altogether. Min Jee had 217 more seashells than Belancia. How many seashells did Min Jee have?

(4 marks)

41. Nurasha baked some cookies. $\frac{1}{6}$ of them were chocolate cookies, $\frac{5}{12}$ were vanilla cookies and the rest were strawberry cookies. If there were 60 more vanilla cookies than chocolate cookies, how many cookies did she bake altogether?                                    (4 marks)

42. At first, Amos had four times as much money as Iyan. After Iyan received $10 from his father, Amos had only twice as much money as Iyan. How much money did both boys have in the end? (4 marks)

20

43. Bryan spent $\frac{2}{5}$ of his pocket money on food and bought 5 pencils at 40¢ each. He then had $10 left.

(a) How much did he receive as pocket money? (3 marks)

(b) What fraction of his money did he spend on the pencils?
(Express your answers in the simplest form.) (1 mark)

Setters: Mdm Sally Heng
Mr Saifullizan Almashor
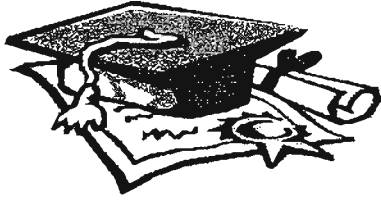
# ANSWER SHEET

HENRY PARK PRIMARY SCHOOL  – PRIMARY 4 MATHEMATICS 2007
SEMESTRAL ASSESSMENT (1)

1. 3
2. 4
3. 4
4. 3
5. 
6. 3
7. 4
8. 4
9. 
10. 
11. 
12. 
13. 2
14. 2
15. 1
16. Ninety-two thousand and forty-one
17. 
18. 7/8
19. 15/4
20. 84
21. 110°
22. 

23.

24) 13 thirds
25) 1, 2 and 4
26) $5800
27) 4
28) 2/9
29) $4000
30) 25
31) 14
32) 6 seashell
33) 536
34) 560
35) 2

36) boys→10x12=120
girls→20x12=240
Total→240+120=360
360 children went to the beach altogether

37) left→3878-36=3842
3842÷5=768R2
2 pencils would not be Packed.
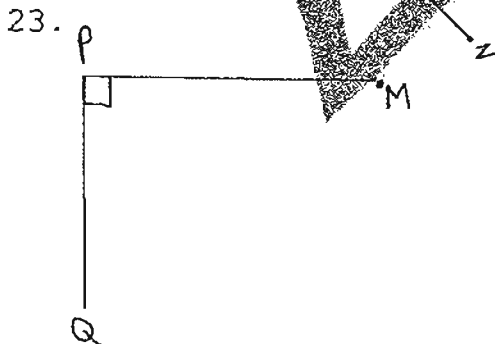
38) 5x2=10
148-10=138
138÷6=23 cows
23+5=28 chickens

75

39) Jai Yi→1¾kg —— kg=1¾-2/4kg=1¼kg

Sadana→1¼kg +5/8kg=1⅞kg

Sadana bought 1⅞kg of prawns

40)
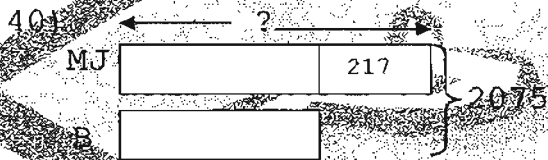


2075-217=1858

1858÷2=929

929+217=1146

Min Jee had 1146 seashells.

41)

| C | C | v | v | v | v | v | s | s | s | s |
|---|---|---|---|---|---|---|---|---|---|---|
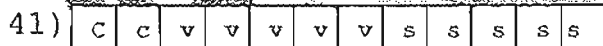
5u−2u=8u

3u→60

1u→60÷3=20

12u→12x20=240

She baked 240 cookies altogether.

42) A
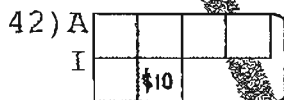


6x$10=$60

Both boys had $60 in the end.

43)



$2+$10
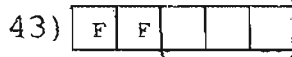
a) 5x40¢=200¢=$2

3u=$2+$10=$12

1u=$12÷3=$4

5u=5x$4=$20

He received $20 as pocket money.

b) $2/$20=1/10

He spent 1/10 of his money on the pencils.