HENRY PARK PRIMARY SCHOOL
2013 SEMESTRAL EXAMINATION I
MATHEMATICS
PRIMARY 4

100

Name: _____ ( ) Parent's Signature

Class: Pr 4 _____

Duration of Paper: 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 the number 15 320, which digit is in the tens place?

   (1) 1
   (2) 2
   (3) 3
   (4) 5 ( )

2. What is the value of 2970 × 8?

   (1) 16 260
   (2) 16 760
   (3) 23 560
   (4) 23 760 ( )

3. How many fifths are there in $3\frac{2}{5}$?

(1) 7

(2) 10

(3) 15

(4) 17

4. The departure time for a Singapore Airlines flight to Tokyo is shown as 19 50 on the display board. How should this time be displayed in the 12-hour clock?

(1) 7.50 a.m.

(2) 9.50 a.m.

(3) 7.50 p.m.

(4) 9.50 p.m.

5. A bus left Singapore at 7.35 pm and arrived at Kuala Lumpur 5 hours and 20 minutes later. What time did it arrive at Kuala Lumpur?

(1) 2.15 a.m.

(2) 12.55 a.m.

(3) 12.55 p.m.

(4) 2.15 p.m.

6. Which one of the following letters has at least a pair of perpendicular lines?

(1) A

(2) F

(3) N

(4) X

7. Bala jogged around a rectangular field once.
The length of the field measured 350 m.
Bala jogged 1000 m in total.
What was the breadth of the field?

(1) 150 m
(2) 300 m
(3) 325 m
(4) 650 m

8. In which of the following are the numbers arranged from the smallest to the greatest?

(1) 7094, 7904, 7409
(2) 7904, 7094, 7409
(3) 7409, 7904, 7094
(4) 7094, 7409, 7904

9. At a chess tournament, 178 chess sets were used.
Each chess set contained 32 chess pieces.
How many chess pieces were used in the tournament?

(1) 210

(2) 890

(3) 4094

(4) 5696

10. What is the value of $\frac{2}{3}+\frac{1}{9}$?

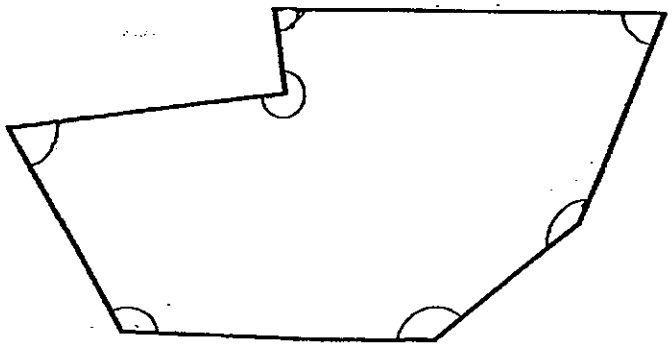
(1) $\frac{1}{4}$

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

(3) $\frac{5}{9}$

(4) $\frac{7}{9}$

11. In the figure shown below, how many of the marked angles are greater than a right angle?



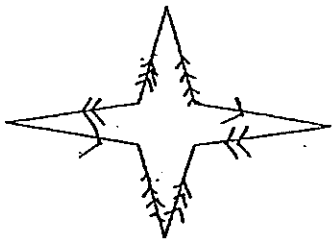
(1) 1

(2) 2

(3) 3

(4) 4

12. The figure below is drawn to scale.
How many pairs of parallel lines are there in the figure?



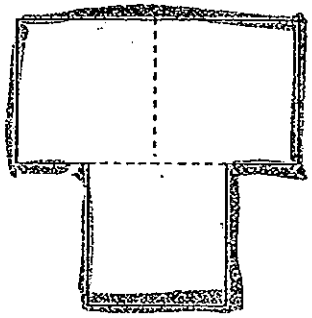
(1) 1

(2) 2

(3) 3

(4) 4

13. The figure below is made up of 3 identical squares.
The area of the figure is 108 cm^2. Find the perimeter of the figure.



(1) 36 cm

(2) 42 cm

(3) 48 cm

(4) 54 cm ( )

14. Mr Lim sold 6850 seaweed rolls in 2 days. He sold 450 more seaweed rolls on the first day than on the second day. How many seaweed rolls did he sell on the first day?

(1) 3200

(2) 3425

(3) 3650

(4) 4100 ( )

15. Ahmad bought 3 ℓ of orange juice. He drank 2 cups of orange juice. Each cup contained $\frac{2}{9}$ ℓ of orange juice.

How much orange juice had Ahmad left?

(1) $\frac{5}{9}$ ℓ

(2) $\frac{2}{3}$ ℓ

(3) $2\frac{5}{9}$ ℓ

(4) $2\frac{7}{9}$ ℓ

Name: _____ ( )

Class: Pr 4 _____

40
10

Section B : (20 x 2 marks = 40 marks)

Read the questions carefully and write the correct answer in the blanks provided.
Show all workings clearly.

16. Write fourteen thousand and eighty in figures.

Answer : _____

17. Express $\frac{32}{6}$ as a mixed number in its simplest form.

Answer : _____

18. How many seconds are there in 2 min 3 seconds?

Answer : _____

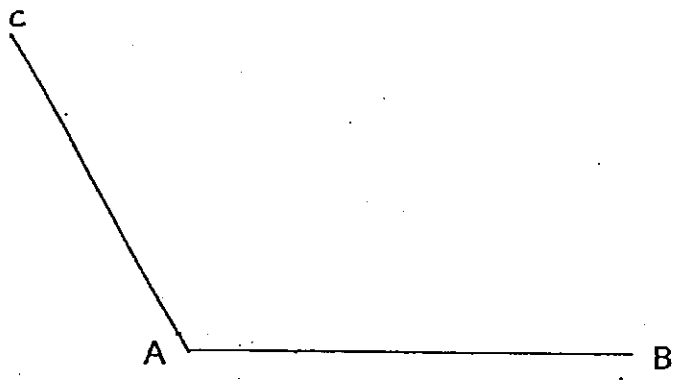
19. 150 participants took part in a Swimming Carnival. There were twice as many male participants as female participants. 45 male participants did not win any medals. How many male participants won medals?

Answer :

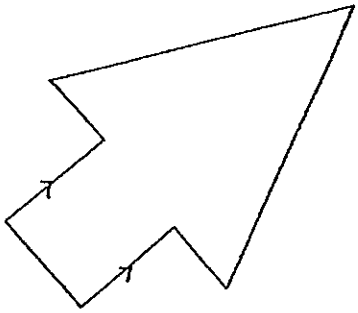
20. Minnie made a necklace using 21 blue beads and 14 red beads.
What fraction of the beads on the necklace are red?

Answer : _____

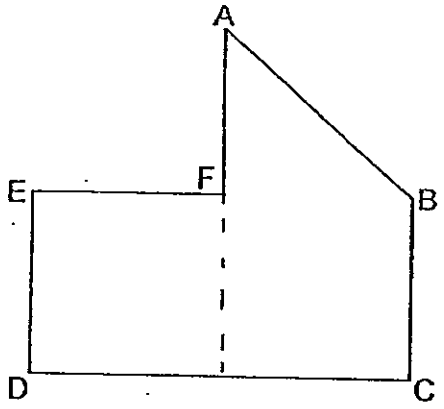
21. Given the line AB, draw and mark ∠CAB = 120°



22. In the figure below, use arrow heads to show a pair of parallel lines.

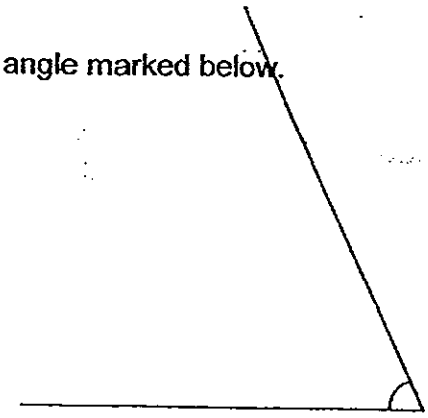


23. In the figure below, name the line which is both parallel to EF and perpendicular to AF.



Answer : _____

24. Measure the angle marked below.



Answer : _____ °

25. A square has an area of 81 m^2. Find the perimeter of the square.

Answer : _____ m

26. There are about 17 500 species of butterflies known in the world as of the year 2012. What is the greatest possible number of species of butterflies given that 17 500 is rounded off to the nearest hundred?

Answer : _____

27. Henry wanted to pay for a pair of shoes that costs more than $31 but less than $46. He found that he could pay for the pair of shoes exactly with only $2 notes. He could also pay the pair of shoes exactly with only $5 notes. What is the cost of the pair of shoes?

Answer : $ _____

28. 3 and 6 are common factors of 36 and H. H is a 1-digit number, What is the number H?

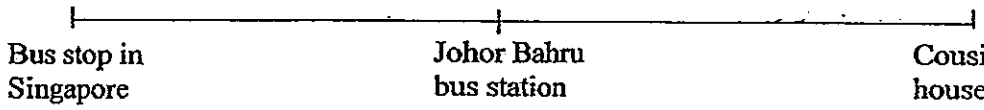
Answer _____

29. Gillian made 2543 cupcakes. She packed all the cupcakes into boxes of 6 with some left over. How many cupcakes were left over?

Answer : _____

30. The table below shows the schedule for the Singapore – Johor Bahru bus service.

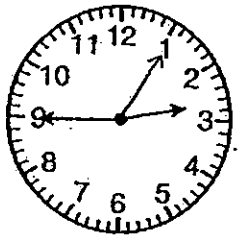
Leaves Singapore	Arrives in Johor Bahru
12 55	13 35
13 30	14 10
14 05	14 45
14 40	15 20
15 15	15 55



Anthony visited his cousin in Johor Bahru. He took a bus from Singapore to Johor Bahru bus station. It took him another 50 minutes to travel from the Johor Bahru bus station to his cousin's house. He arrived at his cousin's house at 16 15. Based on the schedule above, what was the latest time the bus Anthony was on left Singapore? State the time using 24-hour clock.

Answer : _____

31. The time shown on the clock is 20 minutes slower than the actual time. What is the actual time? State the time using 12-hour clock.

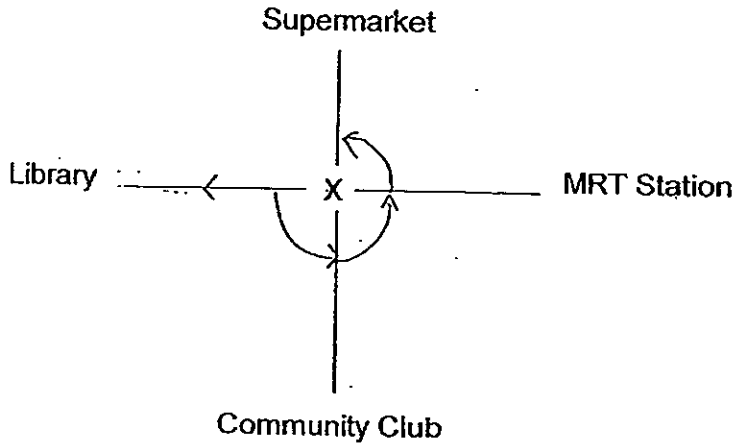


Afternoon

Answer : _____ p.m.

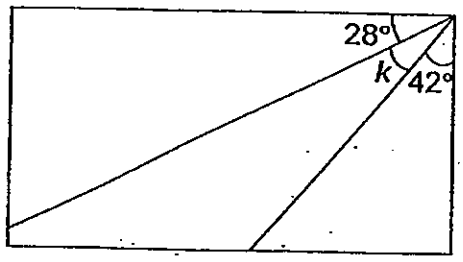
32. Brenda is standing at the point marked X. She is facing the Library.

Where would she face when she makes a $\frac{3}{4}$ turn anti-clockwise?



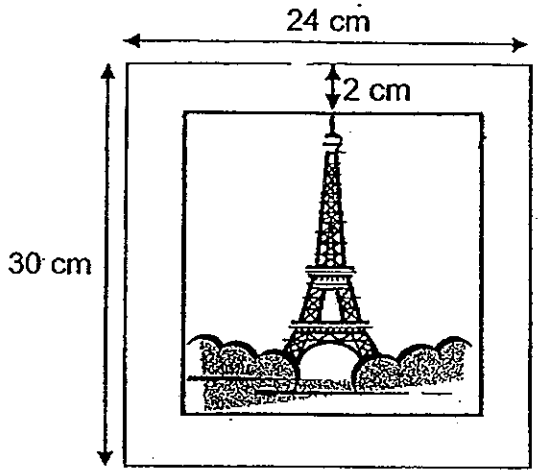
Answer : _____

33. The figure below shows a rectangle. Find $\angle k$.



Answer : _____

34. A cardboard of 30 cm by 24 cm was mounted with a picture, leaving a border of 2 cm around the picture. Find the area of the border.



Answer : cm^2

35. There were a total of 5630 tables and chairs to be moved from Henry Park Primary School's Mt Sinai site to the Holland Grove site. There were 30 more chairs than tables. How many tables were there?

Answer : _____

Section C : (30 marks)

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

36. A school bought 1025 cartons of drinks for a school event. Each carton contained 3 bottles of drinks. 689 cartons of drinks were distributed. How many bottles of drinks were left?

Working

Answer : _____ [3]

37. Muthu and Ahmad had a total of 1224 cards at first. After Muthu bought another 36 cards, Ahmad had 3 times as many cards as Muthu. How many cards did Muthu had at first?

Working

Answer : _____ [3]

38. Fatimah bought $1\frac{1}{4}$ kg of rice and some flour. She bought $\frac{1}{3}$ kg less flour than rice.

(a) How much flour did Fatimah buy?

(b) How much rice and flour did Fatimah buy altogether?

Express your answer in its simplest form.

Working

Answer: (a) _____ [2]

(b) _____ [2]

39. There are 38 chicken nuggets in Tray A and 18 chicken nuggets in Tray B. How many chicken nuggets must be moved from Tray A to Tray B so that Tray B will have 6 more chicken nuggets than Tray A?

Working

Answer : _____ [4]

40. Jun Xiong had 147 marbles. He gave $\frac{1}{7}$ of the marbles to his brother and 49 marbles to his best friend. How many marbles had he left?

Working

Answer : _____ [4]

41. The figure below is made up of 6 identical rectangles.
The perimeter of the figure is 28 cm. Find the area of the figure.

Working

Answer : _____ [4]

42. There were some books in the class library. $\frac{2}{9}$ of the library books were Malay books. The number of English books was thrice the number of the Malay books. The remaining 14 books were Chinese books.
How many books were there in the class library?

Working

Answer _____ [4]

43. Mina had $1879 and Deni had $2134. After each of them spent the same amount of money, Deni had 4 times as much money as Mina.
How much did Deni spend?

Working

Answer : _____ [4]

-END OF PAPER-

Setters:
Ms Eunice Chua
Mrs Chia Seow Wei

ANSWER SHEET

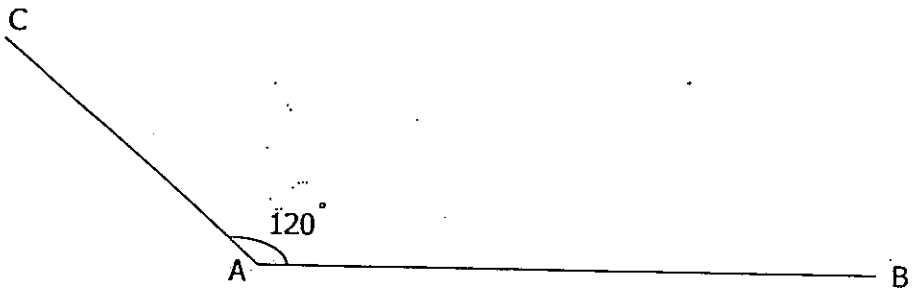
EXAM PAPER 2013
SCHOOL : HENRY PARK

SUBJECT : PRIMARY 4 MATHEMATICS

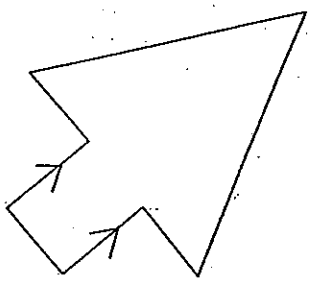
TERM : SA1

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

Q16) 14 080
Q17) 5 1/3
Q18) 123
Q19) 55
Q20) 2/5
Q21)



Q22)



Q23) DC
Q24) 65
Q25) 36
Q26) 17 549
Q27) 40
Q28) 6
Q29) 5
Q30) 14 40
Q31) 3.05
Q32) Supermarket
Q33) 20
Q34) 200
Q35) 2800

Q36) Number of bottles of drinks in 1025 cartons -> 1025 x 3 = 3075
Number of bottles of drinks distributed -> 689 x 3 = 2067
Answer -> 3075 - 2067 = <u>1008</u>

Q37) 4u -> 1224 + 36 = 1260
1u -> 1260/4 = 315
Muthu -> 315 - 36 = <u>279</u>

Q38a) 1 1/4 - 1/3 = <u>11/12</u>

Q38b) 11/12 + 1 1/4 = <u>2 1/6</u>

Q39) 38 + 18 = 56
56 - 6 = 50
50/2 =25
38 - 25 =<u>13</u>

Q40) 1/7 ->147/7 = 21
No. of marbles -> 21 + 49 = 70
Answer -> 147 - 70 = <u>77</u>

Q41) 28/14 =2
3 x 2 = 6
4 x 2 = 8
6 x 8 = <u>48</u>

Q42) 3 x 2/9 = 6/9
1 - 6/9 - 2/9 = 1/9
1u = 14
9u -> 14 x 9 = <u>126</u>

Q43) $2134 - $1879 = $255
$255/3 = $85
$1879 - $85 = <u>$1794</u>