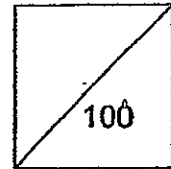




HENRY PARK PRIMARY SCHOOL
2012 SEMESTRAL EXAMINATION 2
MATHEMATICS
PRIMARY 4



Name: _____ ()

Class: Pr 4 _____

Parent's Signature: _____

Duration of Paper: 1 h 45 min

Section A : (15 x 2 marks = 30 marks)

Read each question carefully. For each question, four options are given. One of them is the correct answer. Choose the correct answer (1, 2, 3 or 4). Shade the oval (1, 2, 3 or 4) on the Optical Answer Sheet provided.

1. 66 thousands and 3 tens is the same as _____.

- (1) 663
- (2) 6630
- (3) 66 003
- (4) 66 030

()

2. How many one-fifths are there in 3 wholes?

- (1) $\frac{3}{5}$
- (2) $1\frac{2}{3}$
- (3) 5
- (4) 15

()

3. Write $5\frac{7}{20}$ as a decimal.

- (1) 5.035
- (2) 5.35
- (3) 5.7
- (4) 5.72

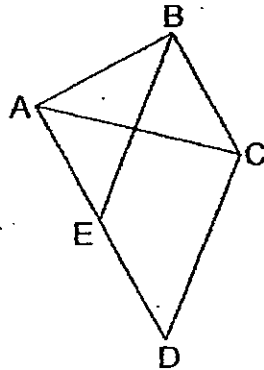
()

4. $10.45 \times 9 =$ _____

- (1) 19.45
- (2) 90.05
- (3) 90.45
- (4) 94.05

()

5. One of the lines in the figure is parallel to AD. Which line is parallel to AD?



- (1) AB
- (2) AC
- (3) BC
- (4) BE

()

6. When Ali arrived at the airport at 15 38, he found that he missed his flight by 1 h 20 min. At what time did the plane depart from the airport?

- (1) 02 18
- (2) 04 28
- (3) 14 18
- (4) 16 58

()

7. What is the product of the first two common multiples of 2 and 3?

- (1) 6
- (2) 12
- (3) 18
- (4) 72

()

8. In 46 950, what is the difference between the value of the digit in the thousands place and the value of the digit in the tens place?

- (1) 990
- (2) 5050
- (3) 5100
- (4) 5950

()

9. Mr Tan had 1 whole cake. He ate $\frac{2}{3}$ of the cake. Mrs Tan ate $\frac{1}{6}$ of the cake and John ate $\frac{1}{12}$ of the cake. What fraction of the cake is left?

- (1) $\frac{1}{12}$
- (2) $\frac{5}{12}$
- (3) $\frac{8}{12}$
- (4) $\frac{11}{12}$

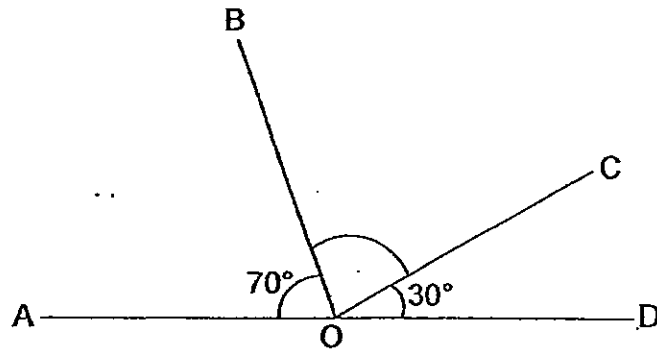
()

10. What is the sum of 18 tenths and 15 hundredths?

- (1) 0.33
- (2) 1.68
- (3) 1.95
- (4) 3.30

()

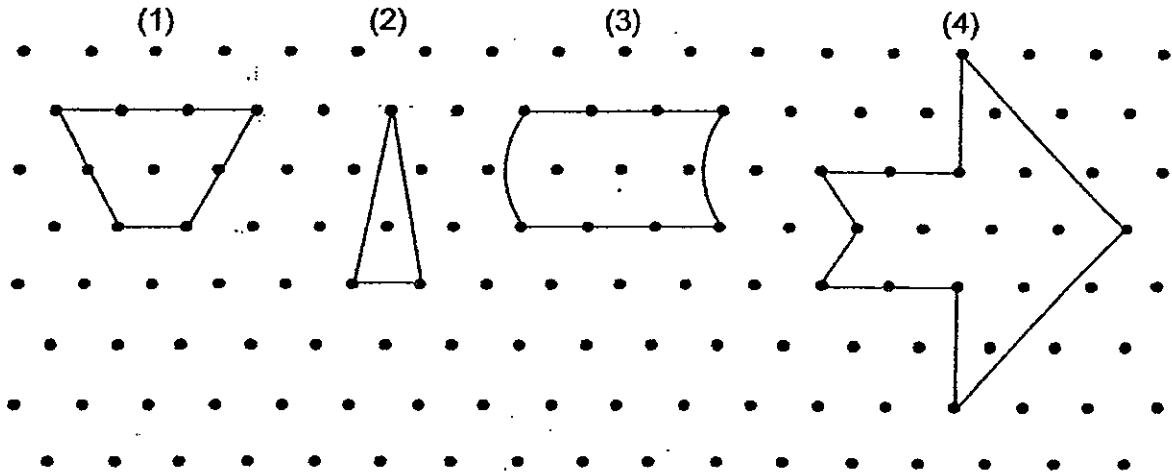
11. In the figure, AOD is a straight line. $\angle AOB = 70^\circ$ and $\angle COD = 30^\circ$.
What is $\angle BOC$?



- (1) 80°
- (2) 90°
- (3) 100°
- (4) 110°

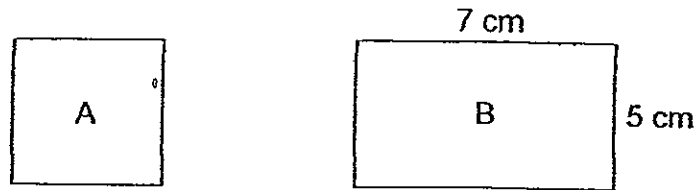
()

12. Which one of the shapes shown below cannot be tessellated?



()

13. 2 equal pieces of wire were used to form the shapes Square A and Rectangle B as shown below. Find the area of Square A given that Rectangle B has a length of 7 cm and a breadth of 5 cm.



- (1) 25 cm^2
 (2) 35 cm^2
 (3) 36 cm^2
 (4) 48 cm^2

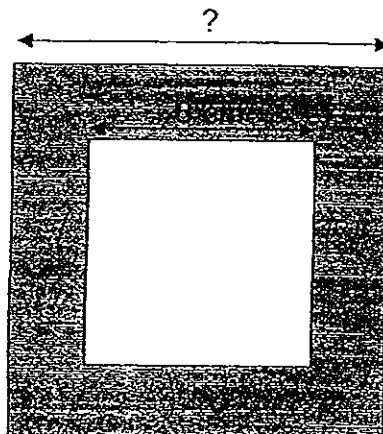
()

14. $\frac{3}{4}$ of a team of gymnasts performed in a concert. There were 24 gymnasts who performed at the concert. What is the number of gymnasts who did not perform at the concert?

- (1) 6
 (2) 8
 (3) 18
 (4) 21

()

15. The figure below is made up of 2 squares. The length of the smaller square is 6 cm. The area of the shaded region is 64 cm^2 . Find the length of the bigger square.

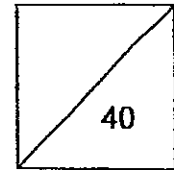


- (1) 7 cm
 (2) 8 cm
 (3) 10 cm
 (4) 22 cm

()

Name: _____ ()

Class: Pr 4 _____



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

Read the questions carefully. Show your working clearly and write your answers in the boxes provided. For questions which require units, give your answers in the units stated.

16. What is the missing number in the number pattern below?

4567, 4657, 4747, _____, 4927

17. Two factors of 8 are 1 and 8. What are the other two factors of 8?

18. What is the remainder when 2638 is divided by 8?

19. Which of the two fractions given below are equivalent to $\frac{8}{12}$?

$$\frac{16}{24}, \frac{4}{8}, \frac{3}{4}, \frac{2}{3}$$

and

20. Write $\frac{16}{6}$ as a mixed number in its simplest form.

21. Which of the two fractions given below are smaller than $\frac{1}{2}$?

$$\frac{2}{3}, \frac{3}{8}, \frac{4}{7}, \frac{5}{11}$$

and

22. Round off 79.51 to the nearest whole number.

23. Arrange the following numbers in order from the smallest to the greatest.

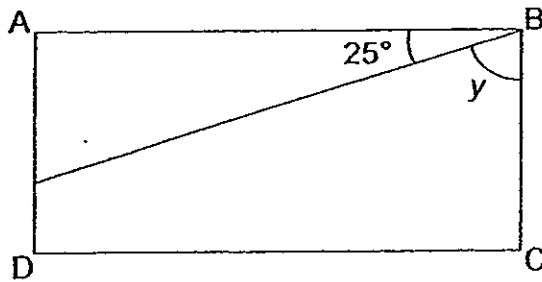
0.325 , 2.4 , 0.204 , 0.024

_____ , _____ , _____ , _____
(smallest) , , , (greatest)

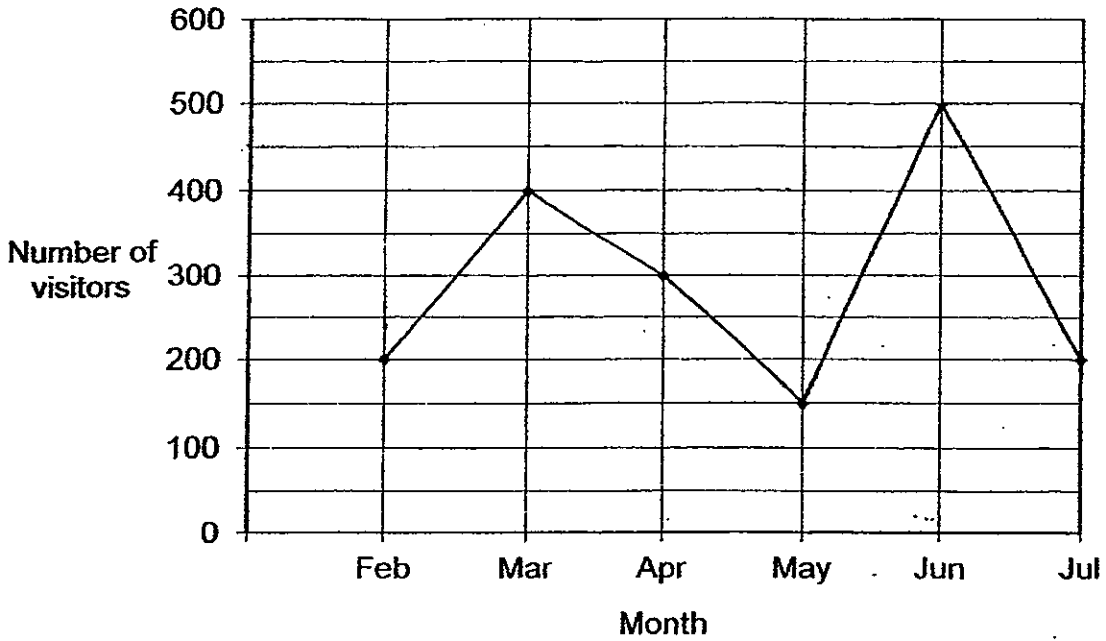
24. Measure and write down the size of $\angle x$.



25. In the figure, ABCD is a rectangle. Find the value of $\angle y$.



The line graph below shows the number of visitors that visited the zoo in six months. Study the graph and answer the questions 26 and 27.



26. How many visitors visited the zoo from February to July?

27. During which one-month period was the decrease in the number of visitors the greatest?

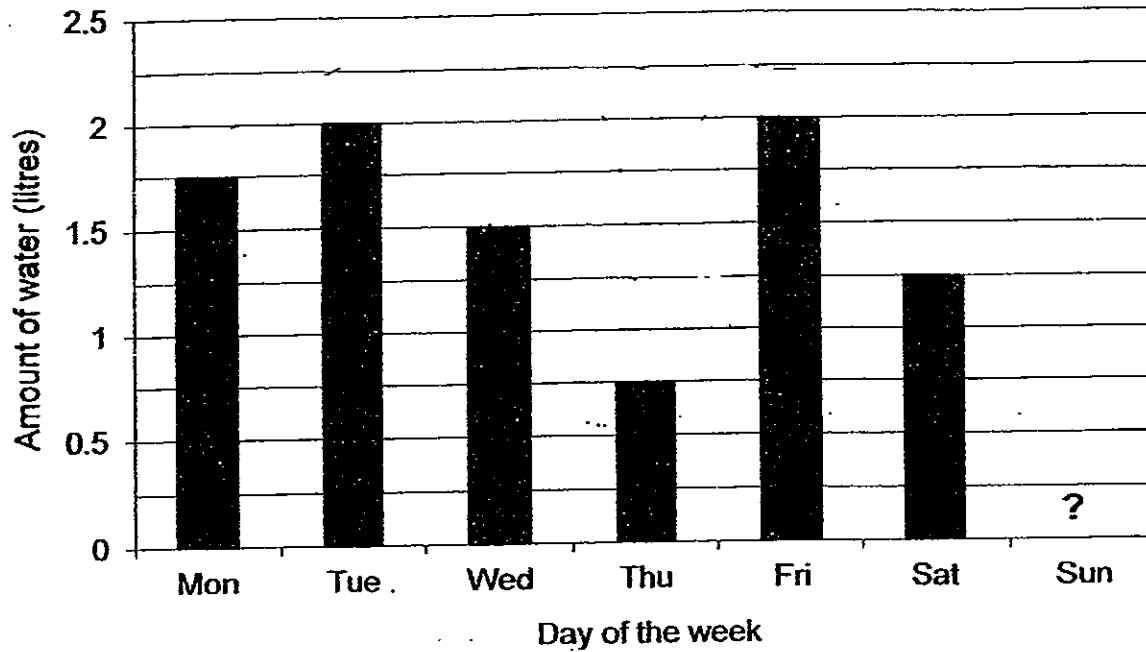
28. Peter started doing his homework at 16 45. He completed his homework at 18 10. How long did he take to complete his homework?

min

29. Ronnie left the library at 11 55 to go to his grandmother's house. He took 1 h 20 min to travel there. What time did he arrive at his grandmother's house? Express your answer in 24-hour clock.

--

The bar graph below shows the amount of water Kartik drank from Monday to Saturday in the first week of the June holidays. Study the graph carefully and answer question 30.

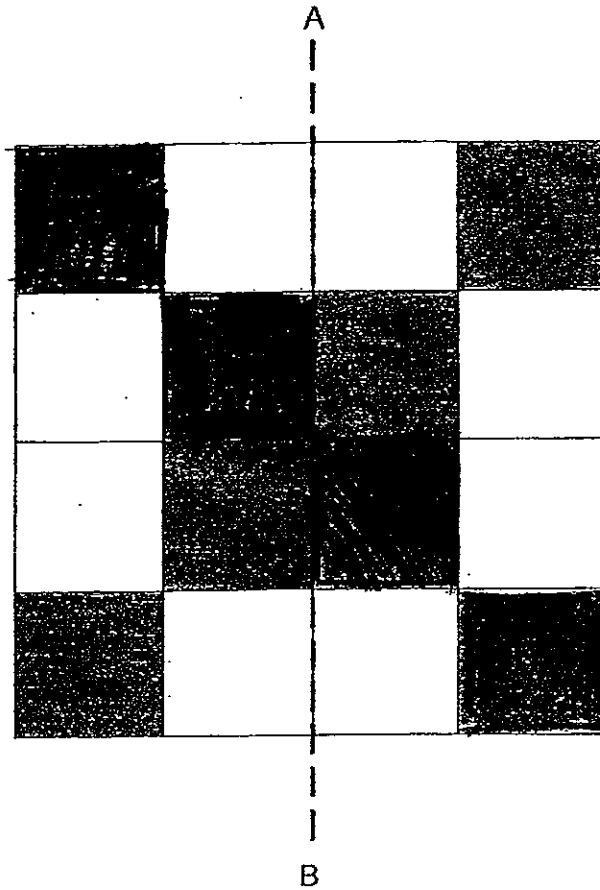


30. Kartik drank a total of 10.6 litres of water in that week. How much water did he drink on Sunday?

l

31. How many right angles does the minute hand of the clock move through from 1 p.m. to 3 p.m.?

32. AB is the line of symmetry in the figure below. Shade 4 more squares to form a symmetric figure.

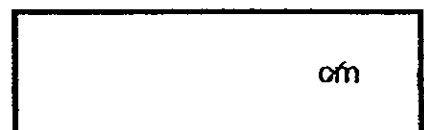
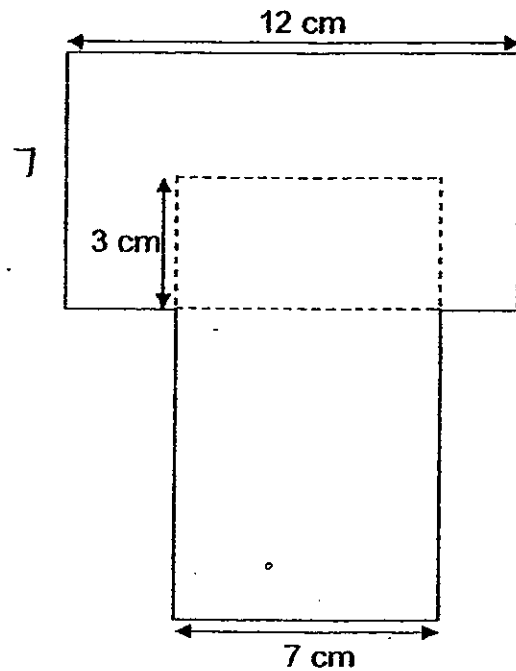


33. Clare's birthday party was attended by less than 40 children. The children could be arranged equally into rows of 6 or rows of 8 while playing games. How many children attended Clare's party?

34. Preetvin spent \$7.45 on 3 books and 4 pencils. The total cost of a book and a pencil was \$2.25. What was the cost of one pencil?

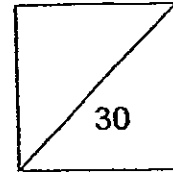


35. 2 identical rectangles are placed on top of each other to form the figure as shown in the diagram below. Find the perimeter of the figure.



Name: _____ ()

Class: Pr 4 _____



Section C : (30 marks)

Read the following problem sums carefully. Show your working clearly and write your answers in the spaces provided. The number of marks available is shown in brackets [] at the end of each question or part-question.

36. Sharon and Henny have a total of 216 pouches. After Sharon gave Henny 100 pouches, Henny had 5 times as many pouches as Sharon. How ^{many} pouches did Henny have at first?

Ans: _____

37. Sharmani is 35 years old and Jodie is 3 years old now. In how many years' time will Sharmani be 5 times as old as Jodie?

Ans: _____ [4]

38. The table below shows the different types of fruits Nuraizah has.

Fruits	Quantity
Apples	60
Peaches	36
Kiwis	19
Prunes	?

The total number of kiwis and prunes is $\frac{3}{8}$ of the total number of apples and peaches. How many prunes does Nuraizah have?

Ans: _____ [3]

39. Jill bought 135 strawberries. She gave 30 of them to her mother and some of them to her brother. She then had $\frac{2}{5}$ of the strawberries left. How many strawberries did she give to her brother?

Ans: _____ [3]

40. Megan paid \$23.50 for 4 boxes of chocolates and 2 packets of biscuits. Each box of chocolates cost \$2.50 more than each ^{packet} box of biscuits. How much did one box of biscuit cost?

Ans: _____ [4]

41. Amelia and Brandon weigh 87 kg in total. Brandon and Carol weigh 59 kg in total. The total mass of Amelia, Brandon and Carol is 107 kg. Find the total mass of Amelia and Carol.

Ans: _____ [4]

42. Ribbon A was 2 times as long as Ribbon B at first. After Tommy gave away 71.2 cm of Ribbon B, Ribbon A was 6 times as long as Ribbon B.
- (a) How long was Ribbon B in the end?
- (b) What was the total length of Ribbon A and Ribbon B at first?

Ans: (a) _____ [2]

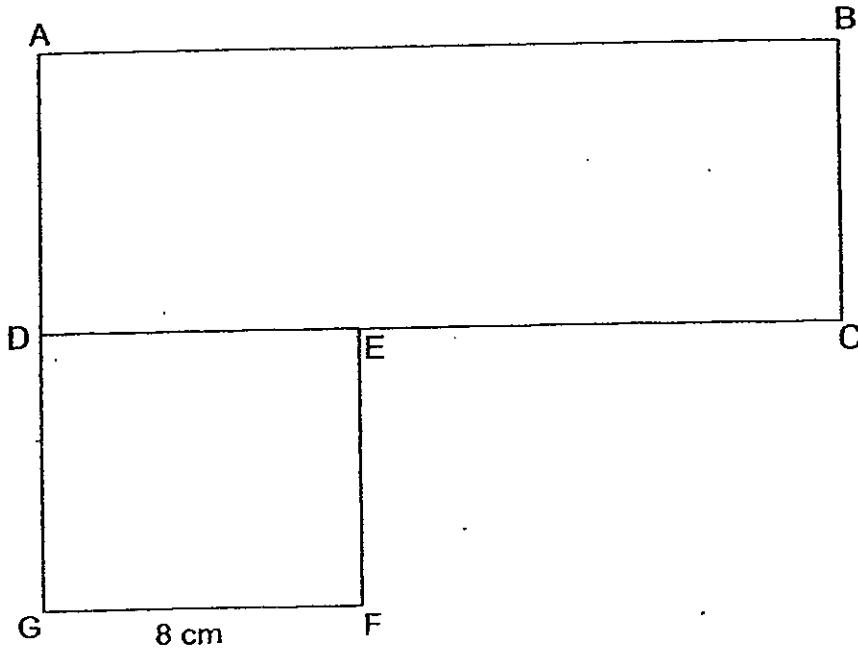
(b) _____ [2]

43. The figure below is made up of rectangle ABCD and square DEFG.

The length of square DEFG is 8 cm.

The area of square DEFG is $\frac{2}{5}$ of the area of the whole figure.

Find the area of rectangle ABCD.



Ans: _____ [4]

END OF PAPER

ANSWER SHEET

EXAM PAPER 2012

**SCHOOL : HENRY PARK
SUBJECT : PRIMARY 4 MATHEMATICS**

TERM : SA2

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

- 16)4837 17)2 and 4 18)6 19)16/24 and 2/3 20)2²/3
 21)3/8 and 5/11 22)80 23)0.024, 0.204, 0.325, 2.4 24)128°
 25)65° 26)1750 27)Jun and Jul 28)1h 25 min 29)13 15

30)1.35L 31)8 32)

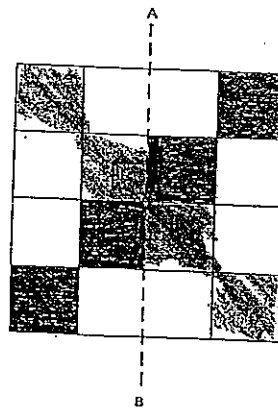
33)24

34)\$0.70

35)56cm

36)216 ÷ 6 = 36
 36 × 5 = 180
 180 - 100 = 80

37)5 years



38) $36 + 60 = 96$

$96 \div 8 = 12$

$12 \times 3 = 36$

$36 - 19 = 17$ prunes

39) $135 \div 5 = 27$

$27 \times 2 = 54$

$135 - 54 = 81$

$81 - 30 = 51$ strawberries

40) $2.50 \times 4 = \$10$

$\$23.50 - \$10 = \$13.50$

$6u \rightarrow 13.50$

$1u \rightarrow \$2.25$

41) $87 + 59 = 146$

$146 - 107 = 39$

$107 - 39 = 68$ kg

42)a) $71.2 \div 2 = 35.6$ cm

b) $35.6 \times 9 = 320.4$ cm

43) $8 \times 8 = 64$

$64 \div 2 = 32$

$32 \times 3 = 96$ cm²