HENRY PARK PRIMARY SCHOOL
2018 SEMESTRAL EXAMINATION 1
MATHEMATICS
PRIMARY 4

Name: _____ ( ) Parent's Signature

Class: Primary 4 _____ _____

Duration of Paper: 1 h 45 min

Marks:

Section A (MCQ)	20
Section B (Open-Ended)	50
Section C (Problem Sums)	30
Total	100

Section A: Multiple Choice Questions (10 x 2 marks = 20 marks)

Read each question carefully. For each question, 4 options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the correct ovals on the Optical Answer Sheet.

1. Which of the following has the same value as the digit 5 in 65 987?

   (1) 5 x 10
   (2) 5 x 100
   (3) 5 x 1 000
   (4) 5 x 10 000

   ( )

2. Which of the following is not a common factor of 36 and 48?

   (1) 6
   (2) 8
   (3) 3
   (4) 4

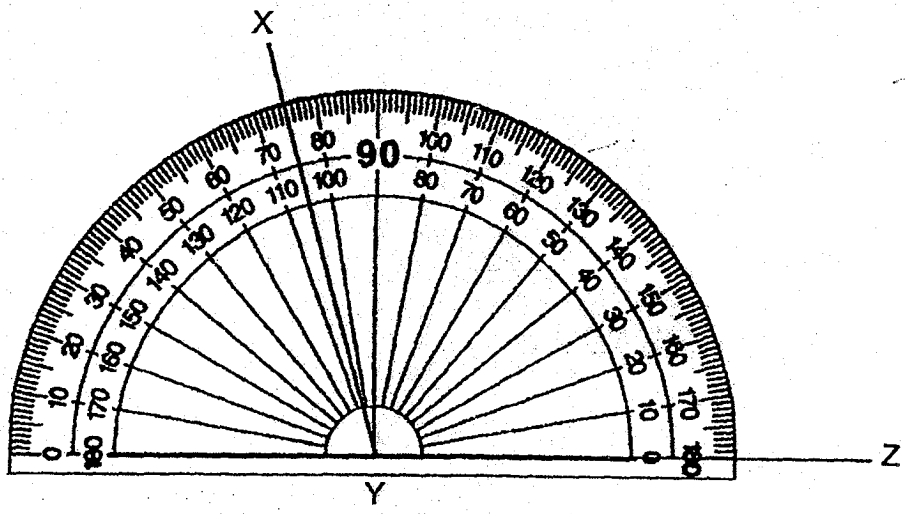
   ( )

3. How many quarters are there in $4\frac{1}{2}$?

   (1) 6
   (2) 9
   (3) 12
   (4) 18

   ( )

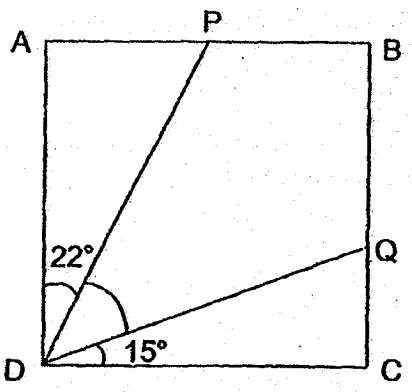
4. What is the size of $\angle XYZ$?



(1) 75°
(2) 85°
(3) 105°
(4) 115°

( )

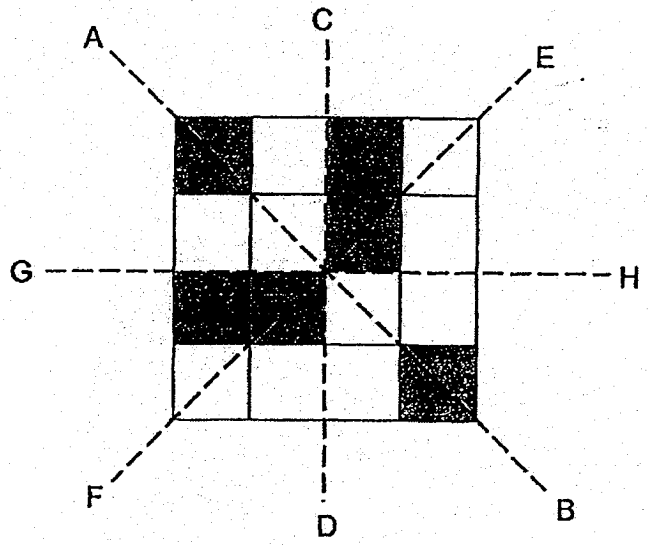
5. ABCD is a square. Find $\angle PDQ$.



(1) 23°
(2) 30°
(3) 37°
(4) 53°

( )

6. Which of the following lines is the line of symmetry for the figure shown below?



(1) AB
(2) CD
(3) EF
(4) GH

( )

7. A number when rounded to the nearest hundred is 95 000.
Which of the following could the number be?

(1) 94 721
(2) 94 993
(3) 95 059
(4) 95 090

( )

8. Sarah chose a number and correctly divided it by 6. She obtained a quotient of 17 and a remainder of 4. What is the number Sarah chose?

(1) 74
(2) 98
(3) 102
(4) 106

( )

9. Which of the fractions given below is smaller than $\frac{3}{5}$?

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

(2) $\frac{5}{8}$

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

(4) $\frac{7}{11}$

( )

10. Bala has a total of 40 blue, red and yellow marbles. He has 10 blue marbles and an equal number of red and yellow marbles.
What fraction of his marbles is yellow?

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

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

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

(4) $\frac{5}{8}$

( )

(Go on to Section B)

Section B: Open-Ended Questions (25 x 2 marks = 50 marks)
Read the questions carefully and write the correct answer in the blanks provided.
Show all workings clearly.

11. Write forty-eight thousand, five hundred and nineteen in numerals.

12. What is the smallest common multiple of 4 and 6?

13. Arrange the following digits to form the greatest 4-digit odd number.
Each digit can be used only once.

4	7	5	8

14. Find the remainder when 2586 is divided by 7

15. Find the product of 375 and 53

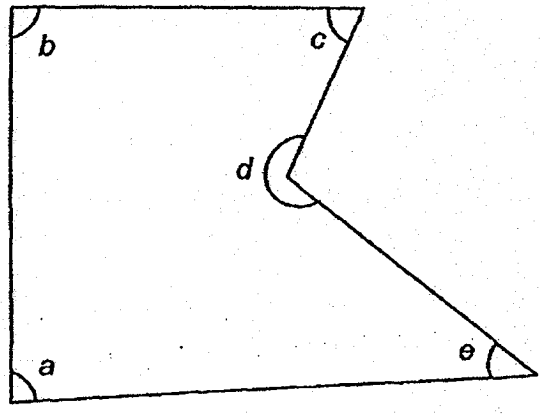
16. Write $\frac{50}{6}$ as a mixed number in its simplest form.

17. The difference between the two fractions is $\frac{7}{12}$. The smaller fraction is $\frac{1}{6}$.
What is the greater fraction?

18. Which of the following angles is

a) a right angle?

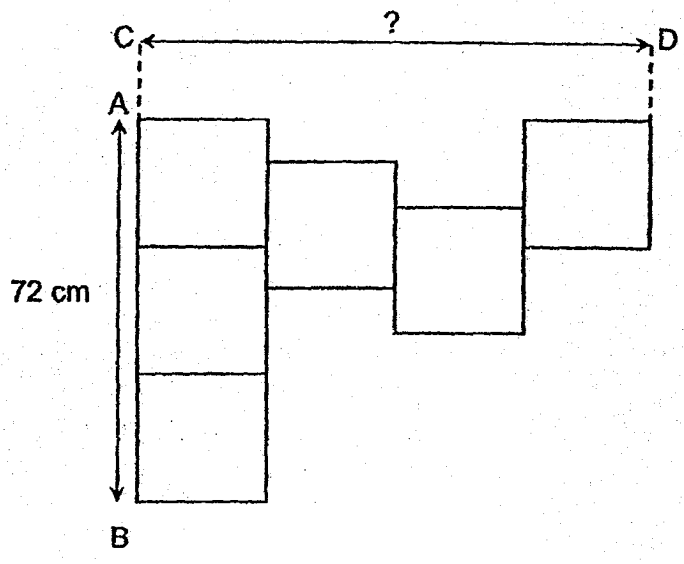
b) greater than a right angle?



a) ∠ ____

b) ∠ ____

19. The figure below is made up of identical squares. The length of AB is 72 cm. Find the length of CD.

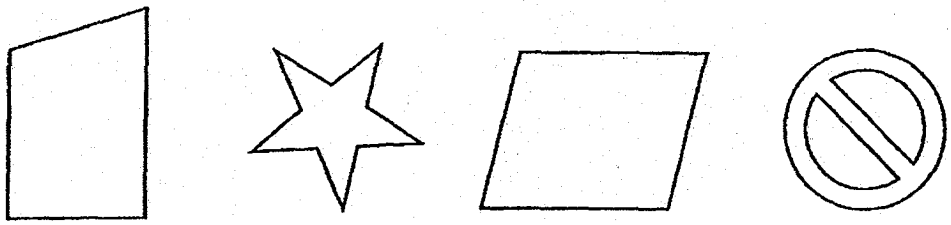


cm

20. Each statement below is either true, false or not possible to tell.
For each statement, put a tick (✓) in the correct column.

Statement	True	False	Not possible to tell
a) All rectangles when folded into half will form 2 squares.			
b) Opposite angles in a square are equal in size.			

21. Classify the following figures by listing the letters, A, B, C and D, in the appropriate columns.



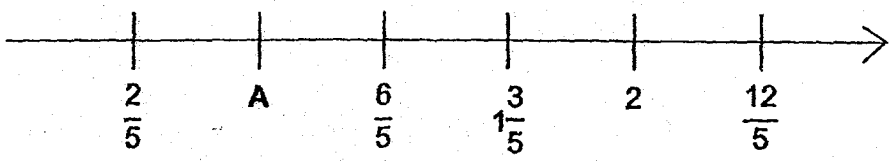
A B C D

Is a symmetric figure	Is not a symmetric figure

22. Mr Tan bought a camera and a laptop. The camera costs $288. The laptop costs 6 times as much as the camera. What is the total cost of the camera and the laptop?

$

23. Find the value of A in the number line show below.

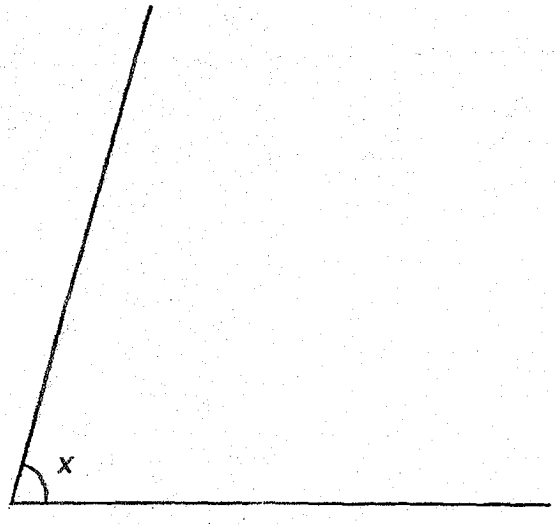


24. The mass of a box of cherries is $\frac{2}{3}$ kg. The total mass of the box of cherries and a watermelon is $6\frac{4}{9}$ kg. Find the mass of the watermelon.

kg

25. Josh was facing East at first. He then made a $\frac{1}{4}$ turn in the anti-clockwise direction. Which direction is Josh facing now?

26. Measure $\angle x$.



°

27. Figure A is a rectangle with a length of 15 cm. Figure B is made up of 5 such rectangles. Find the length of figure B.

Figure A

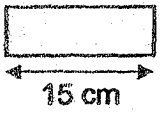
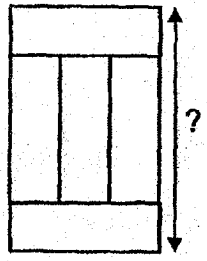
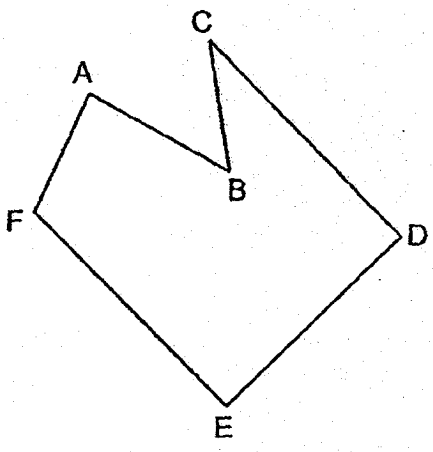


Figure B



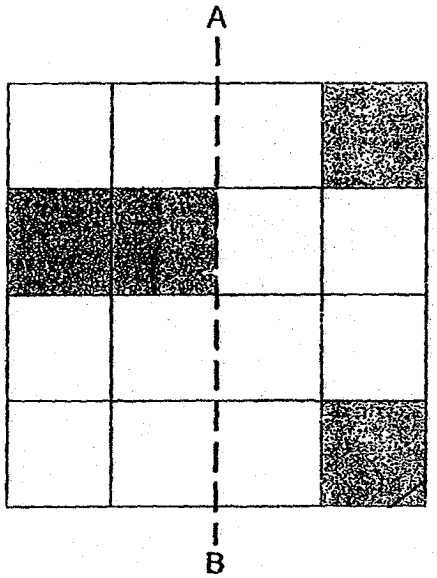
cm

28. Study the figure shown below. Identify the line which is both perpendicular to ED and parallel to CD.

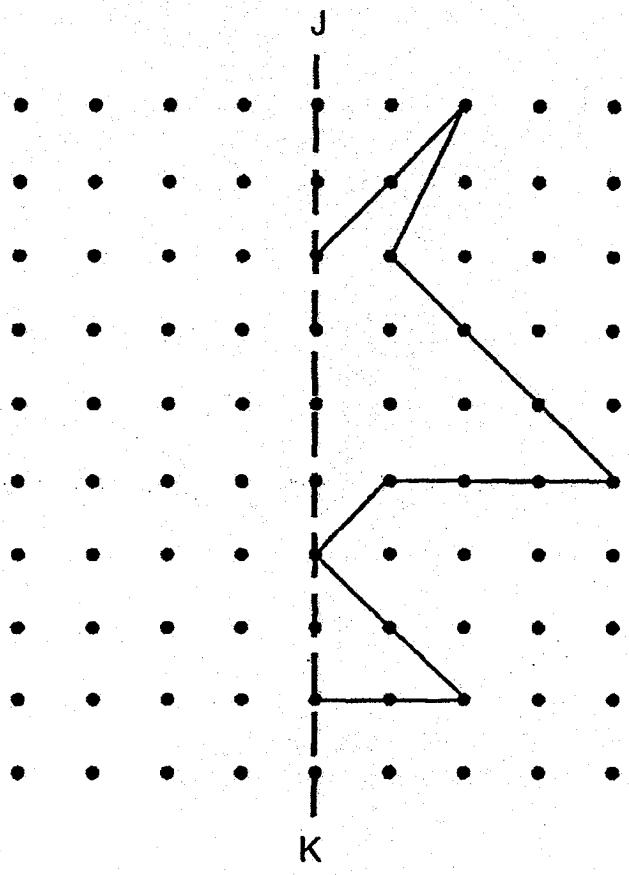


Line

29. In the figure below, line AB is a line of symmetry.
Shade 4 more squares to make a symmetric pattern.



30. Line JK is a line of symmetry. Draw to complete the symmetrical shape.



31. Elaine bought a handbag which cost $2847.

a) Round the amount to the nearest ten-dollars.

b) Round the amount to the nearest thousand-dollars.

a) $ ____

b) $ ____

32. Ali, Bala and Cindy had some money. Ali had $53 670. Bala had $650 more than Ali. Cindy had $4295. How much more money did Bala have than Cindy?

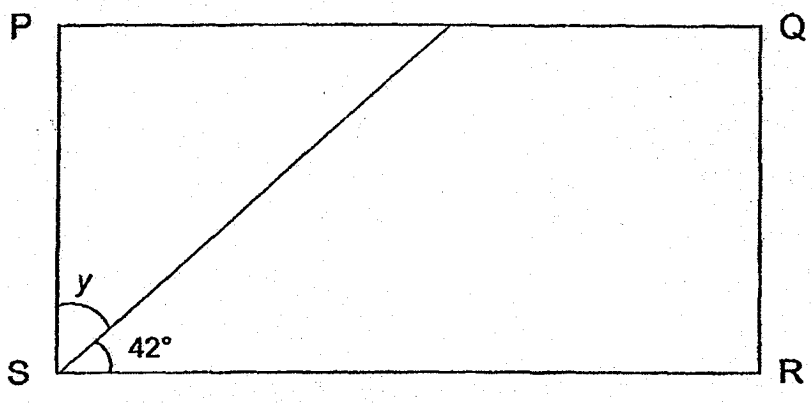
$

33. Mr Singh had 49 oranges and 35 mangoes. He divided all his oranges equally into a number of bags. He also divided all his mangoes equally into the same number of bags. How many bags did Mr Singh pack?

34. Tanks A and B contained a total of 6256 ml of oil. Tank A contained three times as much oil as Tank B. How much oil must be poured from Tank A into Tank B so that both tanks will have the same amount of oil?

ml

35. PQRS is a rectangle. Find the value of $\angle y$.



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(Go on to Section C)

Name: _____ ( ) Class: Primary 4 _____

Section C: Problem Sums (30 marks)

Read the following problem sums carefully. You may draw models to help you. Show all workings clearly and write your answers in the spaces provided. The number of marks allocated is shown in brackets [ ] at the end of each question.

36. Daniel has 254 game cards. Elijah has 600 game cards. How many game cards must Elijah give to Daniel so that they will each have an equal number of game cards?

Ans: _____ [3]

37. There are 42 children in the class. $\frac{2}{7}$ of the students are girls and the rest are boys. How many fewer girls than boys are there in the class?

Ans: _____ [3]

38. There are some caps in a shop. $\frac{2}{9}$ of the caps are red, $\frac{1}{3}$ of the caps are yellow and the rest are blue. There are 436 more blue caps than red caps. How many caps are there in the shop?

Ans: _____ [4]

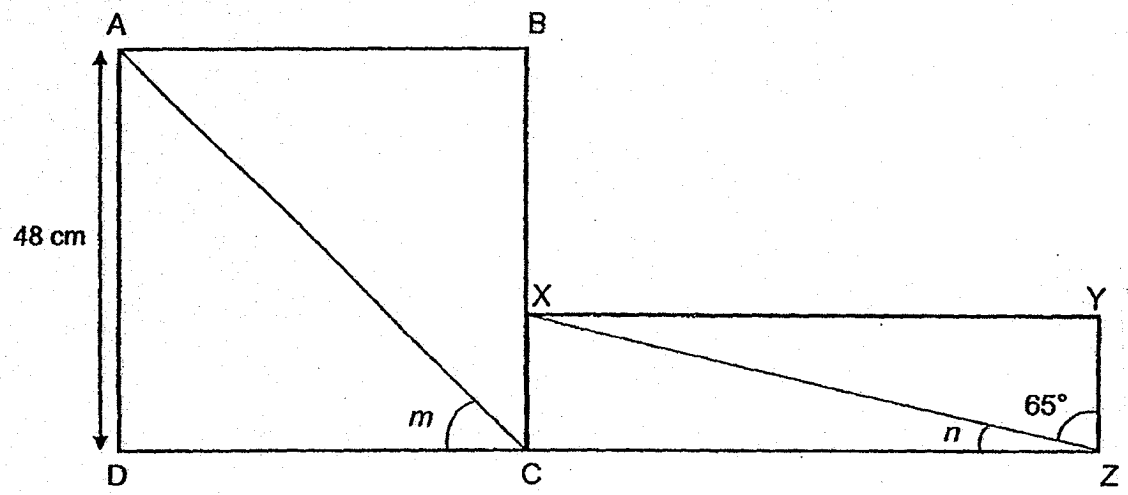
39. Mrs Goh had some money. She spent $\frac{1}{5}$ of her money and gave the rest equally to all her 3 children. Each child received $520 from her. How much money did Mrs Goh have at first?

Ans: _____ [4]

40. The figure below is made up of a square ABCD and a rectangle XYZC. BX is twice as long as XC and AD = 48cm.

a) Find the length of XC.

b) Find the sum of $\angle m$ and $\angle n$.



Ans: a) _____ [1]

b) _____ [3]

41. Michael paid $1485 for 3 identical pairs of shoes and 2 identical watches. Each watch costs 3 times as much as each pair of shoes.

a) Find the cost of each pair of shoes.

b) How much did Michael pay for the 2 watches?

Ans: a) _____ [2]

b) _____ [2]

42. Each day, Alice reads exactly 36 pages of a book. After 5 weeks, she still has 127 pages of the book to read. How many pages of the book would Alice have read in the end?

Ans: _____ [4]

43. Ferlicia and Yvonne have the same number of sweets at first.
After Ferlicia gave away 17 sweets and Yvonne gave away 35 sweets,
Ferlicia had seven times as many sweets as Yvonne.
Find the total number of sweets they had at first.

Ans: _____ [4]

-END OF PAPER-

SCHOOL : HENRY PARK PRIMARY SCHOOL

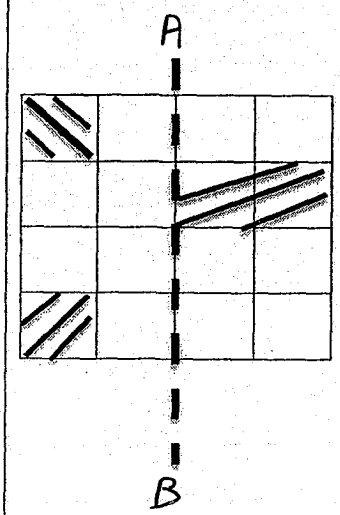
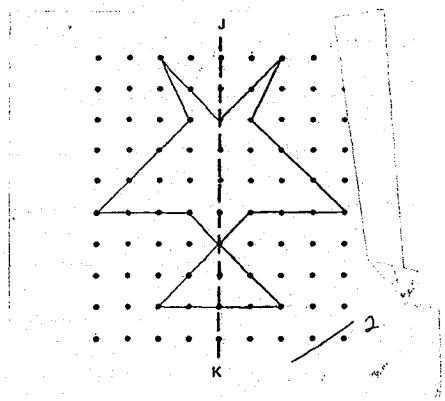
LEVEL : PRIMARY 4
SUBJECT : MATH
TERM : 2018 SA1

SECTION A

Q 1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
3	2	4	3	4	1	2	4	3	3

SECTION B

Q11)	**48519**
Q12)	**12**
Q13)	**8745**
Q14)	**3**
Q15)	**19875**
Q16)	**81/3**
Q17)	**¾**
Q18)	**a)b b)d**
Q19)	**96cm**
Q20)	**a)False b)True**
Q21)	**B , D / A , C**
Q22)	**288 x 7 = $2016**
Q23)	**4/5**
Q24)	**58/9 – 6/9 = 52/9 = 57/9 kg**
Q25)	**North**
Q26)	**75°**
Q27)	**25 cm**
Q28)	**FE**

Q29)	
Q30)	
Q31)	**a)$2850** **b)$3000**
Q32)	**$50025**
Q33)	**7**
Q34)	**1564ml**
Q35)	**48°**

SECTION C

Q36)	600 – 254 = 346 346 ÷ 2 = 173
Q37)	7 units = 42 1 unit = 42 ÷ 7 = 6 3 x 6 = 18
Q38)	1 – 3/9 – 2/9 = 4/9 4/9 – 2/9 = 2/9 436 ÷ 2 = 218 9 x 218 = 1962
Q39)	1 – 1/5 = 4/5 3 x 520 = 1560 1560 ÷ 4 = 390 5 x 390 = $1950
Q40)	a)48 ÷ 3 = 16 b)90 – 65 = 25 90 ÷ 2 = 45 45 + 25 = 70°
Q41)	a)1485 ÷ 9 = $165 b)6 x 165 = $990
Q42)	5 X 7 = 35 35 X 36 = 1260 1260 + 127 = 1387
Q43)	35 – 17 = 18 18 ÷ 6 = 3 1 unit= 3 38 + 38 = 76