Catholic High School
End-Of-Year Examination 2009
Mathematics
Primary 4

Name : _____( )

Class: Primary 4 _____

Date: 27 October 2009

Duration: 1 h 45 min

Section A	40
Section B	40
Section C	20
Total Marks	100

Parent's Signature: _____

There are 3 sections consisting of **19** pages in this paper.

Section A: Multiple-Choice Questions (MCQ) 20 x 2 marks

Section B: Short-Answer Questions 20 x 2 marks

Section C: Long-Answer Questions .5 x 4 marks

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Section A : Multiple-Choice Questions (40 marks)

For Questions 1 – 20, choose the correct answer and shade its number 1, 2, 3 or 4 in the Optical Answer Sheet (OAS) provided. Please use only 2B pencil and SHADE the oval completely. Each question carries 2 marks. All diagrams are not drawn to scale.

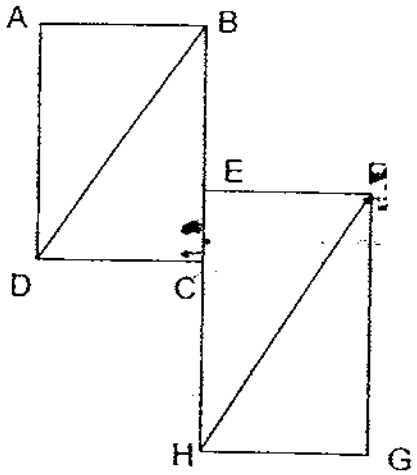
1. 63 thousands and 9 tens is the same as _____.

(1) 639
(2) 6390
(3) 63009
(4) 63090

2. Which one of these set of numbers is in descending order?

(1) 0.084, 0.84, 0.804, 8.04
(2) 0.84, 0.084, 8.04, 0.804
(3) 8.04, 0.84, 0.804, 0.084
(4) 8.04, 0.804, 0.84, 0.084

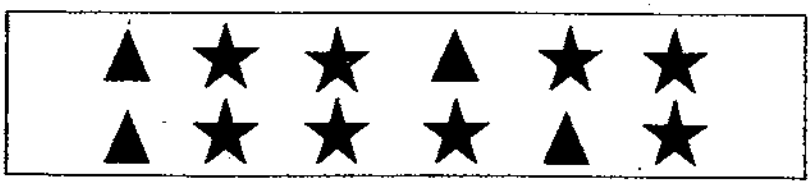
3. ABCD and EFGH are identical rectangles. Which line is perpendicular to EF?



(1) FH
(2) DC
(3) BE
(4) AB

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4. What fraction of the shapes in the box are triangles?



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

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

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

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

5. The area of a square is 64 cm^2. The length of one side of the square is _____ cm.

(1) 8

(2) 16

(3) 32

(4) 48

6. $4\frac{9}{11} = \frac{\square}{11}$

What is the missing number in the box?

(1) 36

(2) 44

(3) 49

(4) 53

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7. Mrs Tan wanted to pack 258 pears into boxes of 9. How many boxes did she use if all the pears were packed into the boxes?

(1) 6
(2) 27
(3) 28
(4) 29

8. Mrs Lee has a packet of sweets that can be shared by 4, 6 or 8 pupils. How many sweets are there in the packet?

(1) 12
(2) 16
(3) 24
(4) 32

9. $\frac{1}{2}$ of the beads in a container are red. $\frac{1}{5}$ of them are green and the remaining 42 are blue beads. How many beads are there altogether?

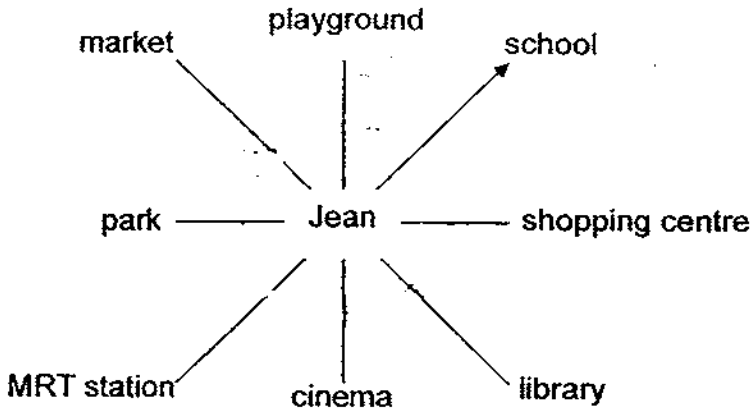
(1) 105
(2) 120
(3) 140
(4) 168

10. A muffin cost $2.15. What is the greatest number of muffins that can be bought with $20?

(1) 8
(2) 9
(3) 10
(4) 11

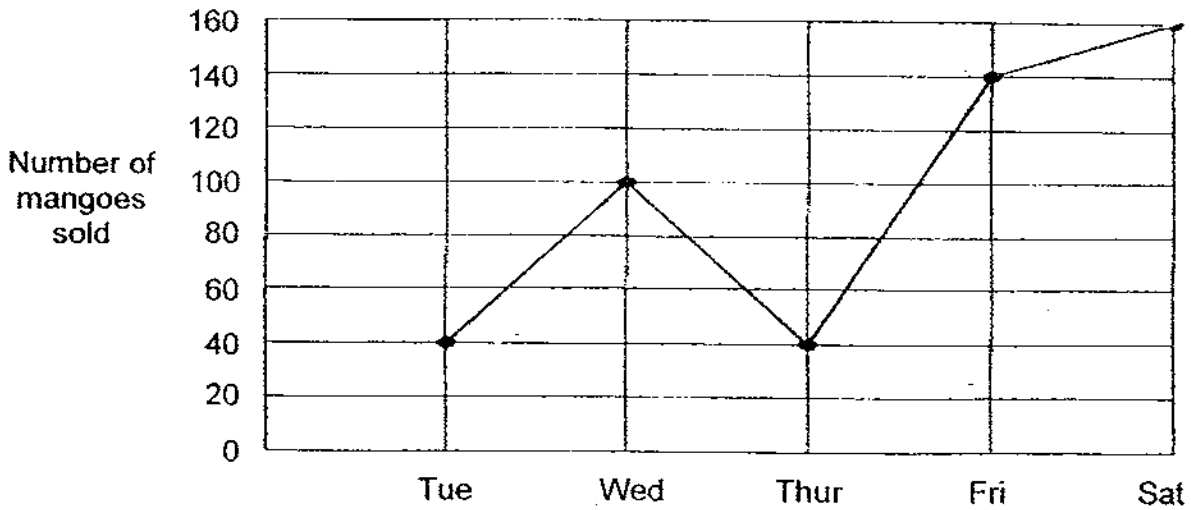
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11. Jean is facing the school. If she turns through an angle of 270° in the clockwise direction, which place will she face?



(1) park
(2) library
(3) market
(4) MRT station

12. The graph below shows the number of mangoes sold at a fruit stall from Tuesday to Saturday.



If each mango was sold for $2, how much money could be collected from the sale of the mangoes over the 5 days?

(1) $360
(2) $480
(3) $640
(4) $960

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13. Pamela has 54 oranges. She packs them into plastic bags. Each plastic bag can hold a maximum of 7 oranges. ~~Which~~ What is the minimum number of bags needed?

(1) 7
(2) 8
(3) 9
(4) 10

14. Penny paid $315 for 2 handbags and 3 pairs of shoes. Each handbag cost thrice as much as each pair of shoes. How much did she pay for each pair of shoes?

(1) $35
(2) $63
(3) $105
(4) $210

15. John spent $\frac{1}{3}$ of his money on food and $\frac{1}{4}$ of it on transport. What fraction of his money was left?

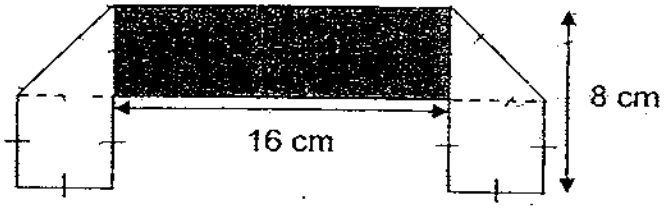
(1) $\frac{3}{12}$
(2) $\frac{4}{12}$
(3) $\frac{5}{12}$
(4) $\frac{7}{12}$

16. What is the maximum number of squares of side 3 cm that can be cut from a rectangular board measuring 20 cm by 40 cm?

(1) 13
(2) 19
(3) 78
(4) 88

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17. A rectangular piece of coloured paper was folded as shown below.



Find the area of the coloured paper when it was unfolded.

(1) 64 cm^2
(2) 112 cm^2
(3) 128 cm^2
(4) 192 cm^2

18. The cost of 2 caps is $14.20 less than the cost of a pair of shorts. The total cost of 2 caps and a pair of shorts is $58. Find the cost of 4 caps.

(1) $14.60
(2) $43.80
(3) $58.40
(4) $87.60

19. 7 books and 4 files cost $25. If 3 books and 2 files cost $9, how much was one book?

(1) $7
(2) $14
(3) $18
(4) $27

20. Ethan bought a T-shirt, a pair of shoes and a pair of pants. The pair of pants cost $48 more than the T-shirt and the pair of shoes cost $35 more than the pair of pants. If he paid $209 in all, how much was the pair of shoes?

(1) $26
(2) $61
(3) $74
(4) $109

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Section B: Short Answer Questions (40 marks)

Question 21 to 40 carries 2 marks each. Write your answer in the blank provided.

Do not write in this space

21. Express $\frac{89}{100}$ as a decimal.

Answer: _____

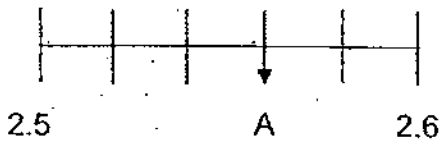
22. Round off 48 670 to the nearest hundred.

Answer: _____

23. Find the value of $\frac{5}{12} - \frac{1}{3}$

Answer: _____

24. Find the value of A.



Answer: _____

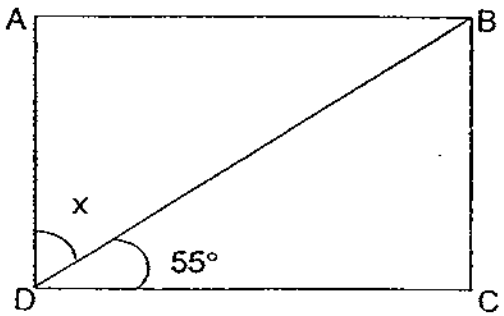
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25. Find the value of 4.67 x 8. Round off the answer to the nearest 1 decimal place.

Answer: _____

26. In the rectangle ABCD, find ∠x.



Answer: _____ °

27. Mrs Ng bought 3 packets of biscuits weighing $\frac{1}{4}$ kg, $\frac{1}{2}$ kg and $\frac{1}{8}$ kg. What was the total mass of the 3 packets of biscuits?

Answer: _____ kg

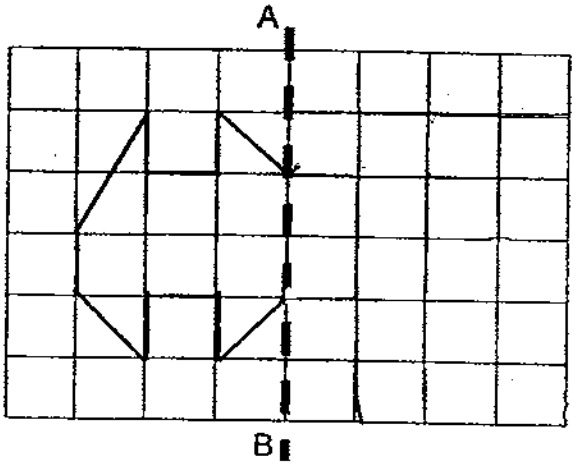
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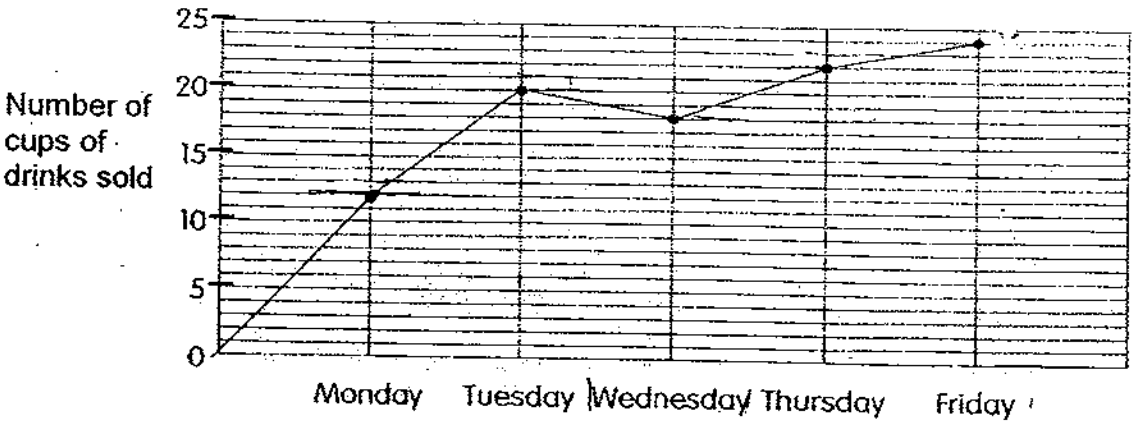
28. When it is 0900 in Singapore, it is 0800 in Jakarta. Mr Tan, who is in Jakarta, called his son in Singapore. The time in Singapore was 1145, what was the time in Jakarta?

Answer: _____

29. Complete the symmetrical shape with the dotted line AB as a line of symmetry.



30. The line graph below shows the number of cups of drinks sold in a school canteen from Monday to Friday.

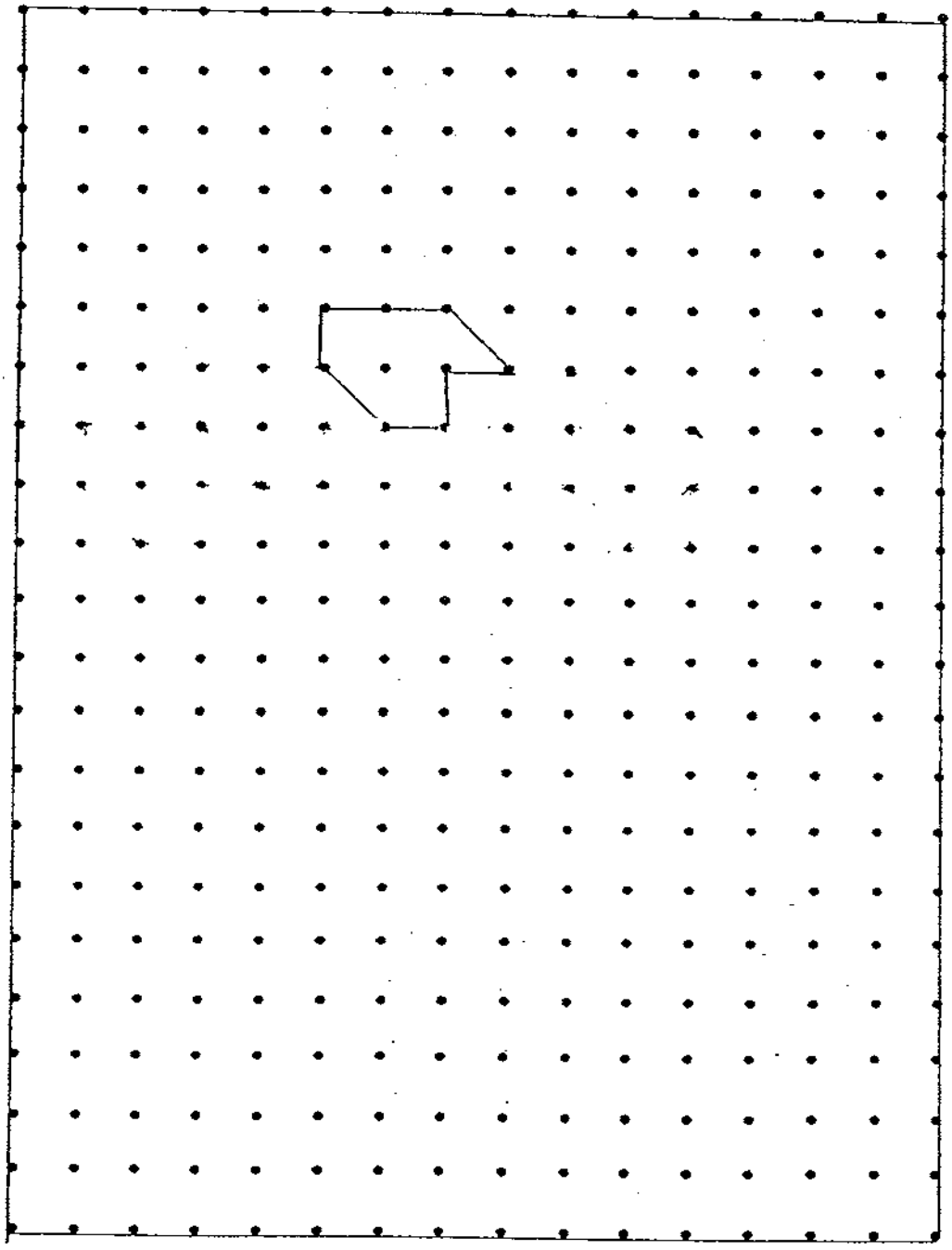


How many more cups of drinks were sold on Friday than on Wednesday?

Answer: _____

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31. This is the unit shape that shows part of a tessellation. Extend the tessellation by drawing another 4 unit shapes provided within the box.

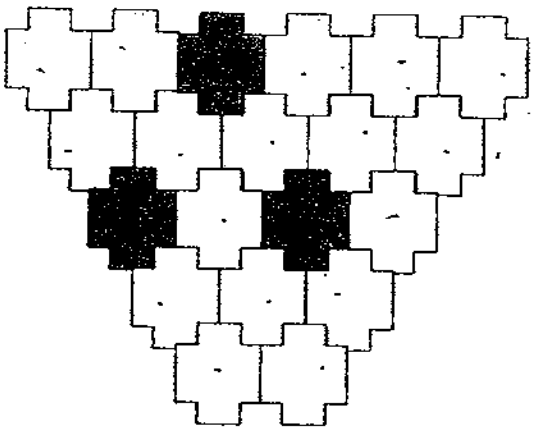


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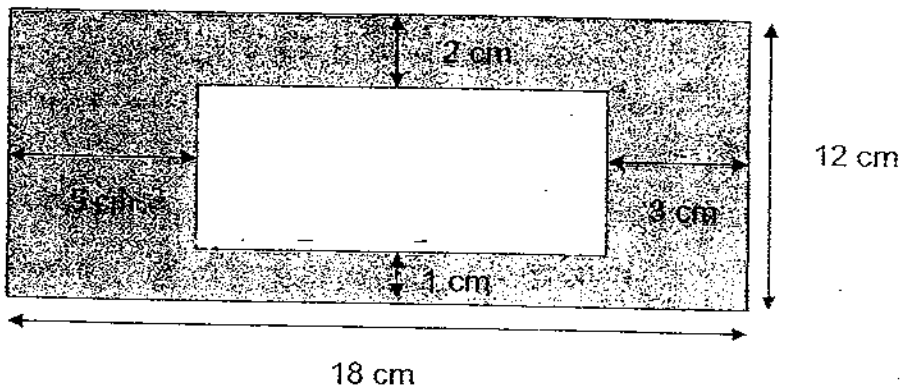
~~SCORE~~

32. Express the shaded portion of the figure below as a fraction of the whole figure.



Answer: _____

33. The figure is made up of 2 rectangles. Find the shaded area of the figure below. (The figure is not drawn to scale.)



Answer: _____ cm^2

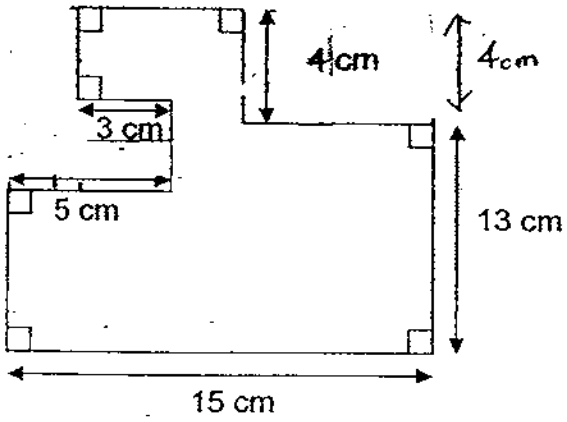
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34. There are 43 vans and motorbikes in a carpark. These vehicles have a total of 136 wheels. How many motorbikes are there?

Answer:_____

35. Find the perimeter of the figure below.



Answer:_____ cm

36. Harry painted $\frac{1}{4}$ of a pole red and $1\frac{2}{3}$ m of the pole blue. The rest of the pole was not painted. If the pole is 6 m long, what was the length of the pole that was not painted?

Answer:_____ m

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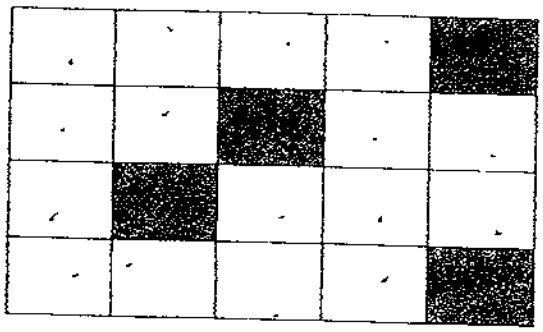
37. Mrs De Silva is 35 years old and her daughter is 5 years old. In how many years' time will she be 3 times as old as her daughter?

Answer: _____

38. Joseph has fewer than 60 cookies.
If he puts them into bags of 5 cookies, he will have 2 cookies left.
If he puts them into bags of 7 cookies, he will be short of 3 cookies.
How many cookies does he have?

Answer: _____

39. If $\frac{3}{4}$ of the figure is to be shaded, how many more rectangles must I shade?



Answer: _____

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40. Dawn has $\frac{6}{7}$ as many hairpins as Jacqueline. They have a total of 78 hairpins. How many hairpins must Jacqueline give to Dawn so that they will have the same number of hairpins?

Answer: _____

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Section C: Long Answer Questions (20 marks)

Question 41 to 45 carries 4 marks each. Write your answer in the blank provided. Show your workings clearly.

Do not write in this space

41 $\frac{3}{7}$ of Ashley's stickers is equal to $\frac{2}{3}$ of Karen's stickers. If Karen has 72 stickers, how many stickers do they have altogether?

Answer: _____ (4m)

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42. Dave had 59 toy cars and toy soldiers. After giving away $\frac{1}{3}$ of his toy cars and 4 of his toy soldiers, he had an equal number of toy cars and toy soldiers. How many toy soldiers did he have at first?

Answer: _____ (4m)

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43. Donovan had twice as much savings as Spencer and had thrice as much savings as Jonathan. If the three of them had a total savings of $154, how much more money did Donovan have than Jonathan?

Answer: _____(4m)

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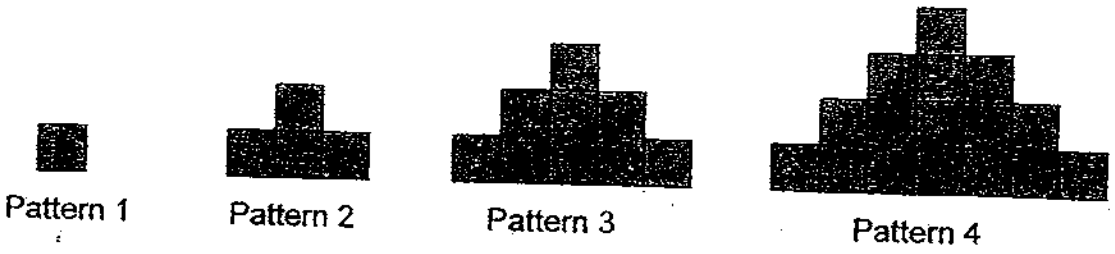
44. Freeman had 4 times as many picture cards as Timothy. After Freeman had lost 52 of his picture cards and Timothy gave away 7 of his picture cards, they had an equal number of cards. How many had each of them left?

Answer: _____ (4m)

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45. Jean used tiles to create patterns as shown below.



Pattern 1 Pattern 2 Pattern 3 Pattern 4

(a) Find the number of tiles in Pattern 6.
(b) Find the number of tiles in Pattern 50.

Answer: (a) _____ (2m)

(b) _____ 2m)

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Answer Ke

EXAM PAPER 2009

SCHOOL : CATHOLIC HIGH PRIMARY
SUBJECT : PRIMARY 4 MATHEMATICS

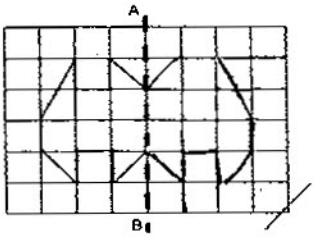
TERM : SA2

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	Q16	Q17
4	3	3	1	1	4	4	3	3	2	3	4	2	1	3	3	3

Q18	Q19	Q20
2	1	4

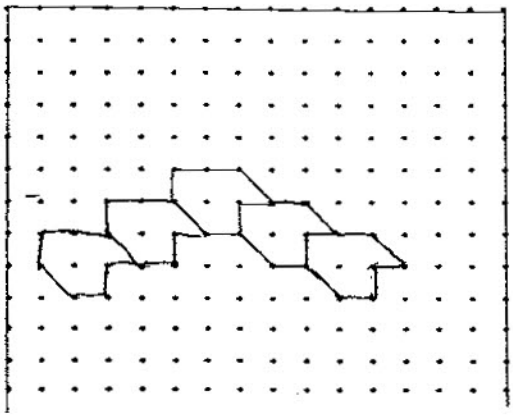
21)0.89 **22)48700** **23)1/12** **24)2.56** **25)37.4** **26)35°**

27)7/8kg **28)1045** **29)**



30)6

31)



32)3/20 **33)126cm2** **34)18 motorbikes** **35)70cm** **36)2 5/6m**

37)10 years' time **38)32 cookies** **39)11 more rectangles** **40)3 hair pins**

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41)A →(x2) 3/7 = K →(x3) 2/3
A→6/14 = K→6/9

9 units→72
1 unit→72÷9=8
14u+9u=23u
Stickers they have altogether→23x8=184 stickers.

42)5 units→59-4=55
1 unit→55÷5=11
Number of toy soldiers he had at first→(11x2)+4=26 toy soldiers.

43)11 units→$154
1 unit→$154÷ 11=$14
How much more money Donovan had than Jonathan
→$14x4=$56

44)3 units→52-7=45
1 unit→45÷3=15
Number of picture cards each at them had left
→15-7=8 picture cards.

45)a)16+9+11=36
Number of tiles in pattern 6→36
b)50x50=2500 tiles.

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