



Catholic High School
End-of-Year Examination 2009
Mathematics
Primary 2

Name : _____ ()

Class: Primary 2 _____

Date: 27 October 2009

Duration: 1 h 15 min

| | |
|-----------|-----|
| Section A | 40 |
| Section B | 40 |
| Section C | 20 |
| Total | 100 |

Parent's signature: _____

There are 3 sections consisting of 20 pages in this paper.

Section A: Multiple-Choice Questions (MCQ)

20 x 2 marks

Section B: Open-Ended Questions

20 x 2 marks

Section C: Story Sums

5 x 4 marks

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

Choose the correct answer and write its number in the bracket provided.

1. Which of the following is the same as 808?

- ~~(1)~~ 70 tens and 18 ones
~~(2)~~ 60 tens and 208 ones
~~(3)~~ 5 hundreds and 38 ones
~~(4)~~ 8 hundreds and 80 ones

(-)

2. Find the sum of 319 and 285.

- (1) 504
(2) 594
(3) 604
(4) 674

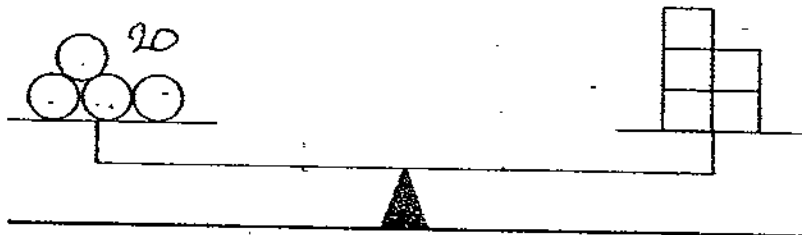
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3. Yihua had 248 stamps. Eugene had 149 less stamps than her. How many stamps had they altogether?

- (1) 99
(2) 101
(3) 347
(4) 397

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4. The figure shows 4 balls and 5 boxes on a balance scale.

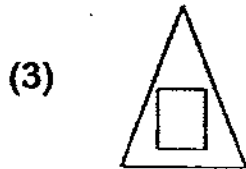
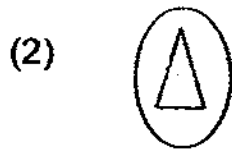
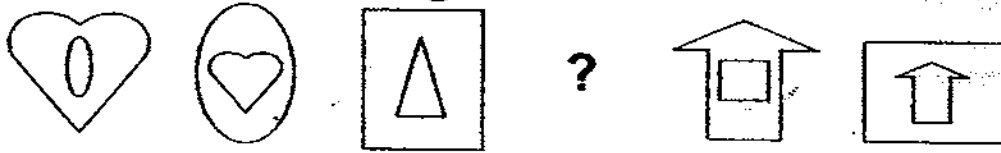


Each ball weighs 5 grams. What is the mass of each box?

- (1) 1 gram
(2) 4 grams
(3) 5 grams
(4) 20 grams

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5. Study the pattern below. What is the missing shape?



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6. Look at the number pattern below. Two numbers are missing. Find the sum of the two numbers.

3, 5, 8, 12, _____, _____, 30, 38.

- (1) 16
(2) 23
(3) 39
(4) 40

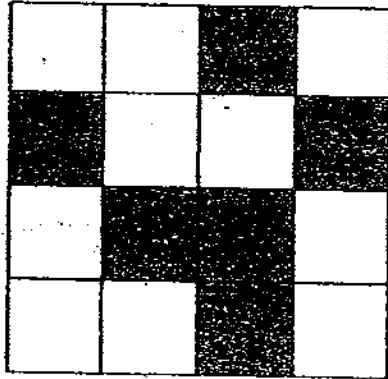
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7. 673 is _____ less than 743.

- (1) 7 tens
(2) 13 tens
(3) 136 ones
(4) 170 ones

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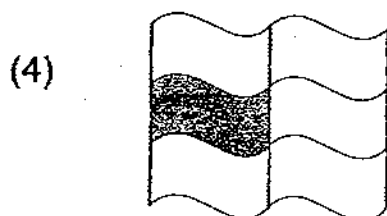
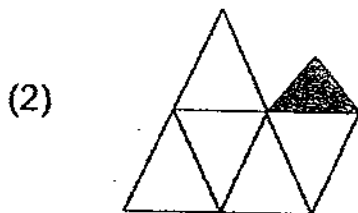
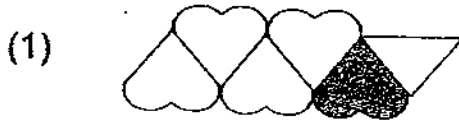
8. Look at the following figure below. How many more squares must be shaded so that $\frac{1}{2}$ of the figure is shaded?



- (1) 1
(2) 2
(3) 3
(4) 4

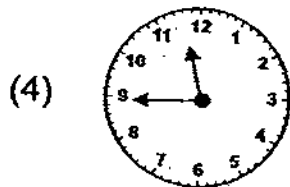
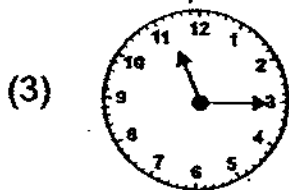
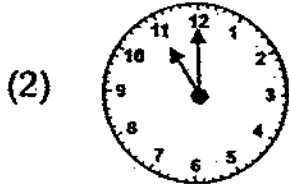
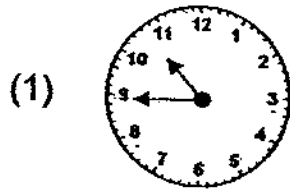
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9. Which of the following figures shows $\frac{1}{6}$ of the figure shaded?



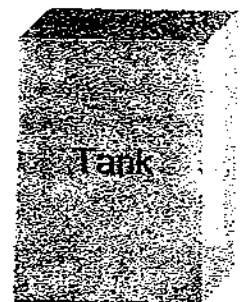
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10. Which clock shows 15 minutes to 11 o'clock?



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11. Study the picture below.

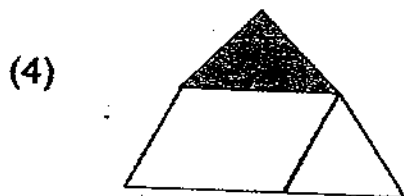
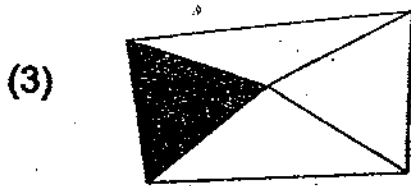
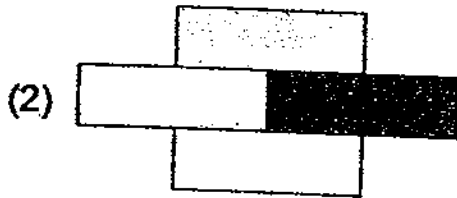
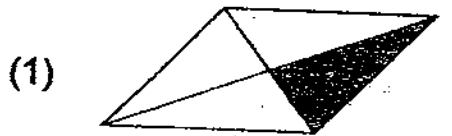


Find the volume of the tank.

- (1) 5 litres
- (2) 6 litres
- (3) 3 litres
- (4) 4 litres

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12. Which of the following figures is $\frac{1}{4}$ shaded?



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13. A number is made up of 2 digits. The product of the digits is 24 and the digit in the ones place is 2 more than the digit in the tens place. What is the number?

- (1) 24
- (2) 46
- (3) 64
- (4) 68

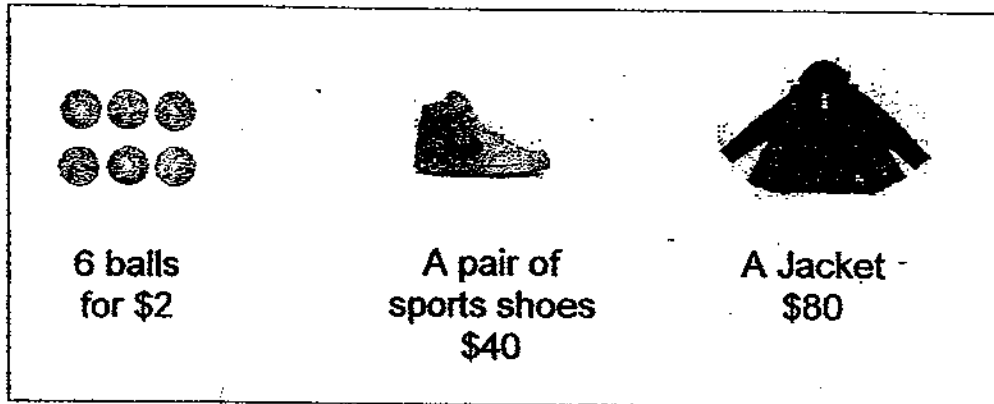
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14. Jack and Betty had the same amount of money at first. After Jack spent \$12, Betty had twice as much money as Jack. How much money did each of them have at first?

- (1) \$12
- (2) \$24
- (3) \$36
- (4) \$48

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15. Study the picture below and answer the question.

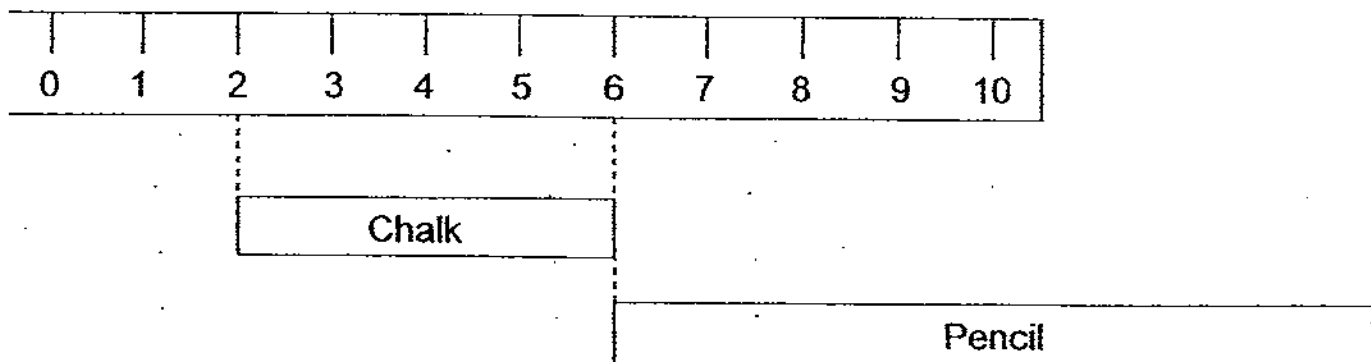


Matt bought 12 balls, a pair of sports shoes and a jacket. He paid the cashier some money and received \$26 change. How much did he give the cashier?

- (1) \$130
- (2) \$140
- (3) \$150
- (4) \$160

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16. Study the picture carefully and answer the question.

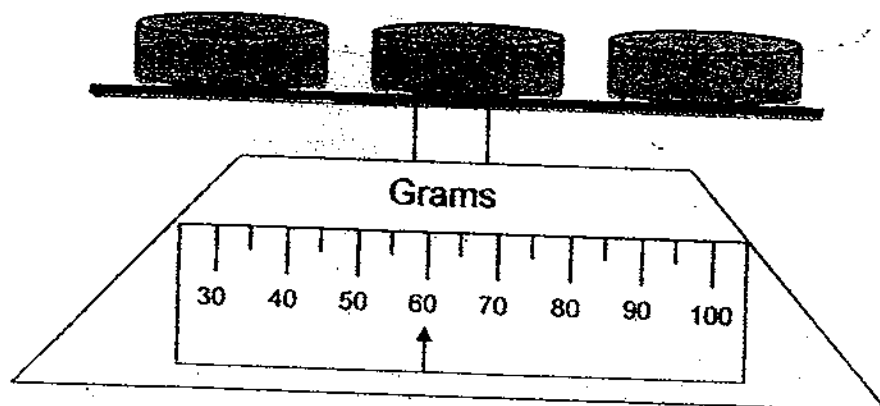


If the length of the pencil is twice that of the chalk, what is the total length of the chalk and the pencil?

- (1) 12 cm
- (2) 14 cm
- (3) 16 cm
- (4) 18 cm

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17. The picture below shows the weight of 3 similar metal discs.

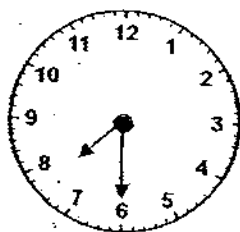


What is the mass of 8 similar discs?

- (1) 160 g
- (2) 180 g
- (3) 240 g
- (4) 480 g

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18. The clock shows the time Keith started his dinner.
If he had taken 30 minutes to eat his dinner, what time did he complete his dinner?



- (1) 7 a.m.
- (2) 7 p.m.
- (3) 8 a.m.
- (4) 8 p.m.

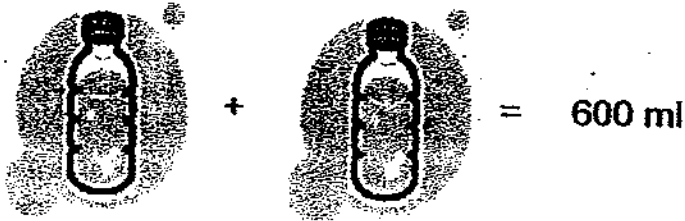
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19. Four people, Adam, Betty, Calvin and Dave are in a race. Calvin is between Adam and Dave. Adam is a few paces ahead of Betty. There is no one behind Betty. Who is leading in the race?

- (1) Adam
- (2) Betty
- (3) Calvin
- (4) Dave

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20. Study the diagram below.



How much water can 1 bottle and 6 cups hold?

- (1) 400 ml
- (2) 500 ml
- (3) 600 ml
- (4) 700 ml

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Section B: Open-Ended Questions (20 x 2 marks)

Do the following questions carefully. Show your working.

For questions 22 to 40, write your answers in the boxes provided.

21. Write the following words in numerals.

(a) Nine hundred and twelve

Ans: _____

(b) Seven hundred and fifty-six

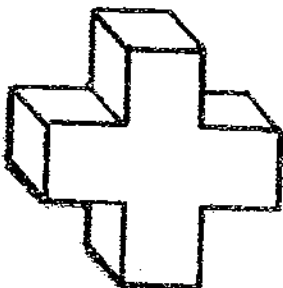
Ans: _____

22. What digit does the  in the sum below stand for?

$$\begin{array}{r} \overset{1}{\star} 9 \\ + \star 4 6 \\ \hline 9 2 5 \end{array}$$

Ans: _____

23. How many faces does the object below have?



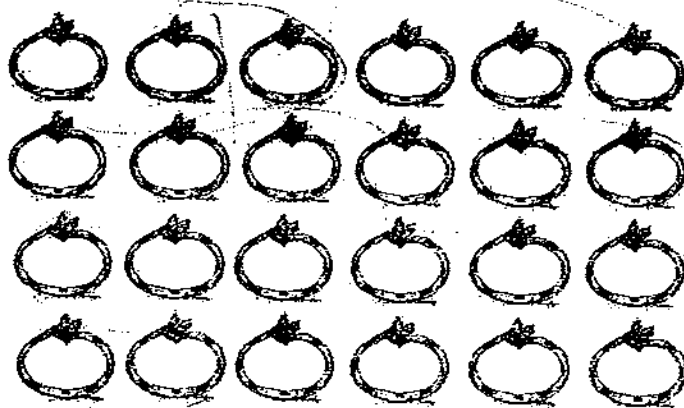
Ans: _____

24. Arrange the following set of numbers from the greatest to the smallest.

698 , 689 , 869 , 896

| | |
|------------|----------|
| Ans: _____ | |
| greatest | smallest |

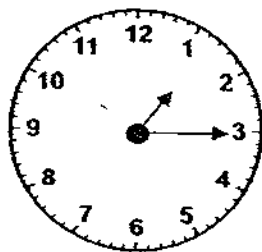
25. The picture below shows 24 rings.
Put them into groups of 3 rings.



How many groups are there altogether?

| |
|-------------------|
| Ans: _____ groups |
|-------------------|

- 26.



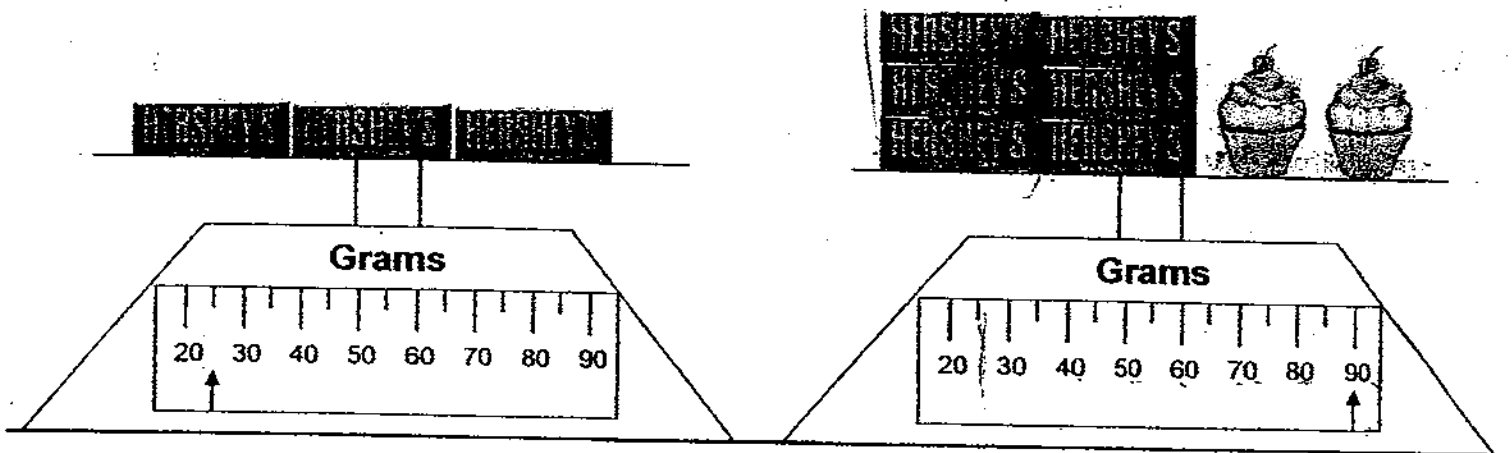
The time shown on the faulty clock above is 15 minutes slower.
What is the actual time?

| |
|-----------------|
| Ans: _____ p.m. |
|-----------------|

27. A minibus can carry a maximum of 10 people. Given that there are 68 people, what is the minimum number of minibuses needed?

Ans: _____

28. Study the picture below.



How heavy is each cupcake?

Ans: _____ grams

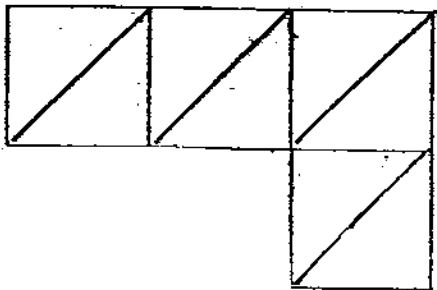
29. Molly is 15 cm shorter than Larry. If the total height of the two children is 195 cm, what is Molly's height?

Ans: _____ cm

30. James needed to make 5 cups of hot tea. Each cup can hold 40 ml of hot water. If he had 150 ml of hot water, how much more hot water did James need?

Ans: _____ ml

31. Shade $\frac{2}{9}$ of the figure.



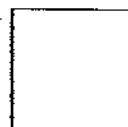
32. Arrange the fractions from the smallest to the greatest.

$$\frac{2}{5} \quad , \quad \frac{2}{6} \quad , \quad \frac{2}{3} \quad , \quad \frac{2}{7}$$

Ans :



smallest



greatest

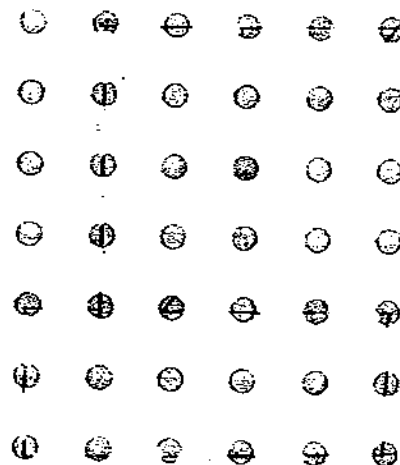
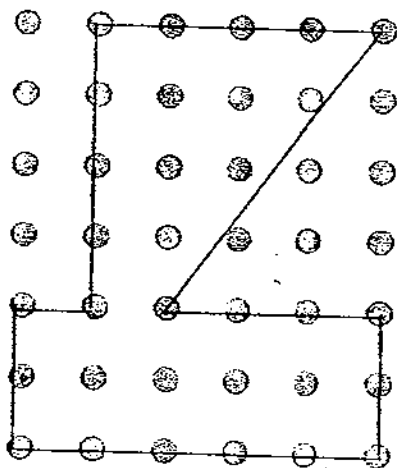
33. Study the graph below. The graph shows the number and types of cards sold.

| | |
|----------------|---------|
| Birthday Cards | ○ ○ ○ ○ |
| Farewell Cards | ○ |
| Get Well Cards | ○ ○ |
| Welcome Cards | ○ ○ ○ |

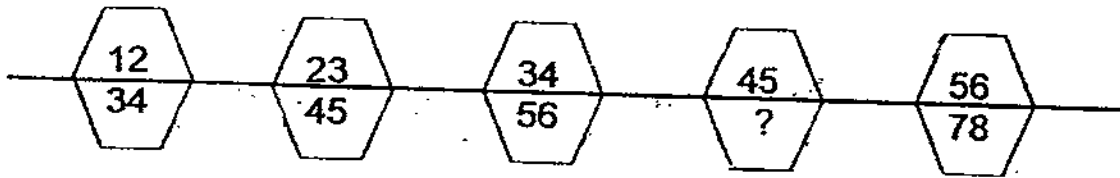
The number of birthday cards sold is 18 more than the number of farewell cards sold. How many cards does each ○ represent?

Ans: _____

34. Draw the figure onto the dot grid on the right.



35. Study the pattern below. Write down the missing number.



Ans: _____

36. $1 \times 5 + 3 \times 5 + 6 \times 5 =$ _____ groups of 10

Ans: _____

37. Mr Lim bought a vanguard sheet and divided it into 12 equal cards.

| | | |
|------|--|--|
| John | | |
| | | |
| | | |
| | | |

Half of all the cards would be used as Christmas cards. One piece would be kept for his friend, John. The rest would be made into birthday cards. What fraction of the cards would be birthday cards?

Ans: _____

38. Ali painted $\frac{1}{8}$ of a wall on Monday. On Tuesday, he painted $\frac{2}{8}$ of the wall. He completed the rest of the wall on Wednesday. What fraction of the wall did Ali paint on Wednesday?

Ans: _____

39. Peng is 6 years old. His brother is twice as old as he. Peng's father is 40 years old now. When his father is 50 years old, how old will Peng's brother be?

Ans: _____ years old

40. Study the picture sum below.

$$\text{⊕} \times \text{⊕} \times \text{⊕} = 27$$

$$30 \div \text{◇} = 6$$

$$\text{○} + \text{○} = 14$$

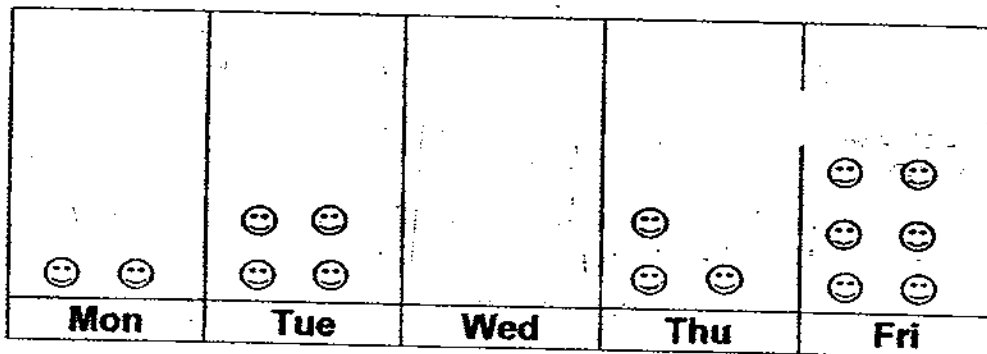
$$\text{⊕} + \text{◇} + \text{○} = ?$$

Ans: _____

Section C: Story Sums (5 x 4 marks)

Complete the following questions. All workings and number sentences must be shown clearly.

41. The graph below shows the amount of money Pei Xin spent each day in school in a week. The amount of money spent on Wednesday is not represented.



Each ☺ represents 50 cents.

- (a) If Pei Xin spent \$1.50 more on Wednesday than on Monday, how much did she spend on Wednesday?

She spent \$_____ on Wednesday.

- (b) Show the amount of money she spent on Wednesday by drawing the correct number of faces in the graph.

42. After watching a movie, Mary had dinner at a nearby coffee shop. Her dinner took half an hour. If the movie was 1 hour 30 minutes long and the dinner ended at 8 pm, what time did the movie start?

The movie started at _____ p.m.

43. Plants A, B and C have a total height of 130 cm.
Plant B is 10 cm taller than Plant A but 20 cm shorter than Plant C.
How tall is Plant B?

Plant B is _____ cm tall.

44. Ahmad painted 30 balls in green or red. For every 4 balls he painted green, he painted 2 red. How many balls did he paint red?

He painted _____ balls red.

45. The picture below shows the number of dots formed around the stars in each figure.



Figure 1

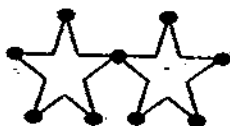


Figure 2



Figure 3

?

Figure 4

- (a) Complete the table below.

| | | | | |
|-----------------|---|---|----|---|
| Number of Stars | 1 | 2 | 3 | 4 |
| Number of Dots | 5 | 9 | 13 | |

- (b) Calculate the number of dots formed in Figure 10.

There are _____ dots altogether.

End of Paper
Have you checked your work?

Answer Ke

EXAM PAPER 2009

SCHOOL : CATHOLIC HIGH PRIMARY
SUBJECT : PRIMARY 2 MATHEMATICS

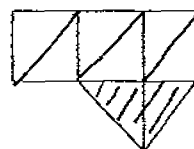
TERM : SA2

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

| Q18 | Q19 | Q20 |
|-----|-----|-----|
| 4 | 4 | 3 |

21)a)912 b)756 22)7 23)14 24)896,869,698,689 25)8

26)1.30p.m. 27)7 28)20 29)90 30)50 31)



32)2/7, 2/6, 2/5, 2/3 33)6 34)

35)67 36)5 37)5/12 38)5/8

39)22 40)15

41)a)\$1+\$1.50=\$2.50

She spent \$2.50 on Wednesday

b)Wed= ☺☺☺☺☺

42)6.00p.m.

43)10+30=40

130-40=90

1 unit→90÷ 3=30

Plant B→30+10=40

44)10

45)a)17

b)41