

**CATHOLIC HIGH SCHOOL**  
**END-OF-YEAR EXAMINATION 2010**  
**MATHEMATICS**  
**PRIMARY 3**

Name \_\_\_\_\_ (       )

Class: Primary

Date: 26 October 2010

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 18 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)**

For each of the question from 1 to 20, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet (OAS).

1. Which one of the following has the greatest value?

- (1) 54 tens
- (2) 879 ones
- (3) 6 thousands
- (4) 23 hundreds

( )

2. Subtract 566 from 1800. Which digit in the answer is in the hundreds place?

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

( )

3. 4 607 can be written as \_\_\_\_\_

- (1) 4 000 + 60 + 7
- (2) 4 000 + 60 + 70
- (3) 4 000 + 600 + 7
- (4) 4 000 + 600 + 70

( )

4. Which number is not divisible by 3?

- (1) 198
- (2) 263
- (3) 354
- (4) 471

( )

5. Express 2 l 9 ml in millilitres.

- (1) 29 ml
- (2) 209 ml
- (3) 2 009 ml
- (4) 2 090 ml

( )

6. Jacob spent  $\frac{2}{3}$  of his salary last week and  $\frac{1}{6}$  of his salary this week. What fraction of his salary did he spend altogether?

(1)  $\frac{2}{15}$

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

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

(4)  $\frac{5}{6}$

( )

7. Liying jogs a distance of 1 km 60 m. Kevin jogs a distance of 2 km 25 m. How much further does Kevin jog than Liying?

(1) 65 m

(2) 135 m

(3) 650 m

(4) 965 m

( )

8. Xavier drinks 1 l 5 ml of milk every day. What is the total amount of milk he drinks in 5 days?

(1) 5 l 25 ml

(2) 5 l 250 ml

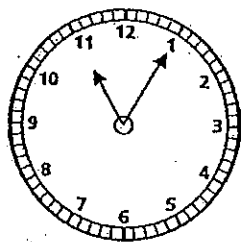
(3) 50 l 250 ml

(4) 52 l 50 ml

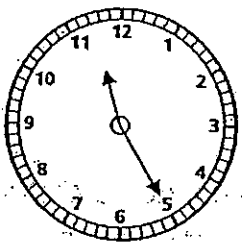
( )

9. Yiting went to the shopping centre at 10.45 a.m. She came home 1 h 20 min later. Which clock face shows the time Yiting reached home?

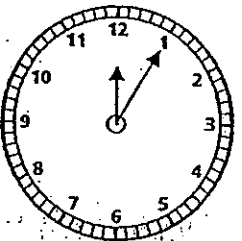
(1)



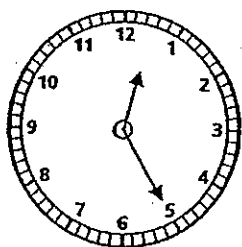
(2)



(3)



(4)



( )

10. The menu shows different food items sold in a restaurant.

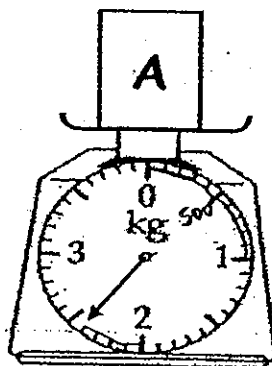
| <u>Menu</u>  |           |
|--------------|-----------|
| Cream Puff   | —— \$1.50 |
| Chicken wing | —— \$4.50 |
| Fishballs    | —— \$2.00 |
| French Fries | —— \$2.50 |
| Pizza        | —— \$3.00 |

Jeremy bought 2 different items from the restaurant. He gave the cashier 3 two-dollar notes without receiving any change. Which of the two items did Jeremy buy?

- (1) Fishballs and Pizza
- (2) Cream Puff and French Fries
- (3) Cream Puff and Chicken wing
- (4) French Fries and Chicken wing

( )

11. Study the diagram carefully.



What is the mass of A?

- (1) 2 kg 40 g
- (2) 2 kg 80 g
- (3) 2 kg 400 g
- (4) 2 kg 800 g

( )

12. How many fours are there in  $84 \times 7$ ?

- (1) 80
- (2) 147
- (3) 330
- (4)  $588 \times$

( )

13. Benny saved \$660 last year. His brother saved \$12 more than him each month. How much did they save altogether?

- (1) \$1 176
- (2) \$1 308
- (3) \$1 332
- (4) \$1 464

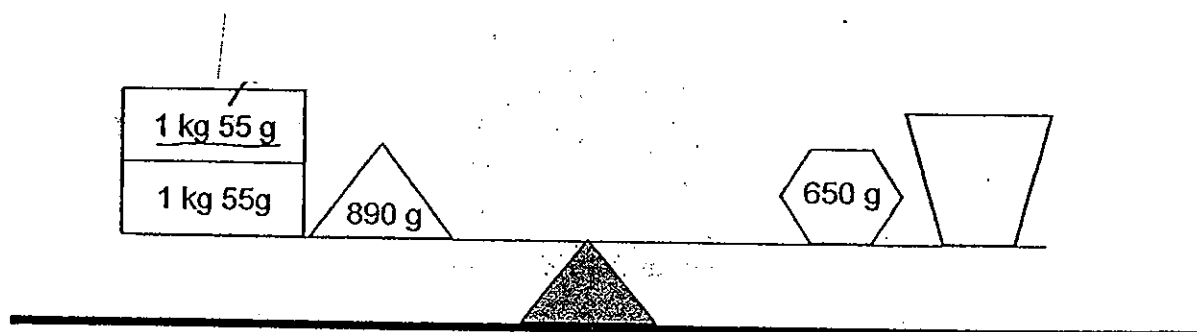
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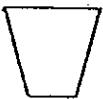
14. Janice reached a party at 8.30 p.m. She left at 1.15 a.m. How long was she at the party?

- (1) 4 h 15 min
- (2) 4 h 45 min
- (3) 5 h 15 min
- (4) 5 h 45 min

( )

15. Study the diagram carefully.

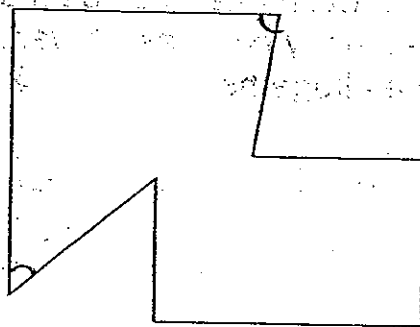


What is the mass of  ?

- (1) 2 kg 35 g
- (2) 2 kg 350 g
- (3) 3 kg 34 g
- (4) 3 kg 340 g

( )

16. Study the diagram carefully.

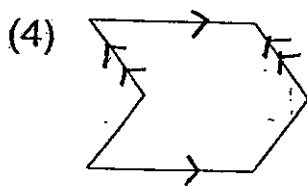
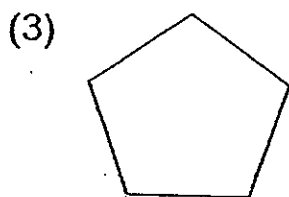
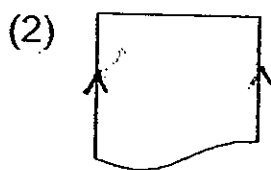
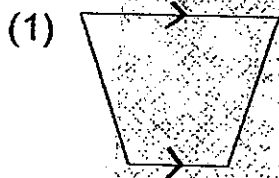


How many angle(s) inside the diagram above is/are less than a right angle?

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

( )

17. Which figure below has more than 1 pair of parallel lines?

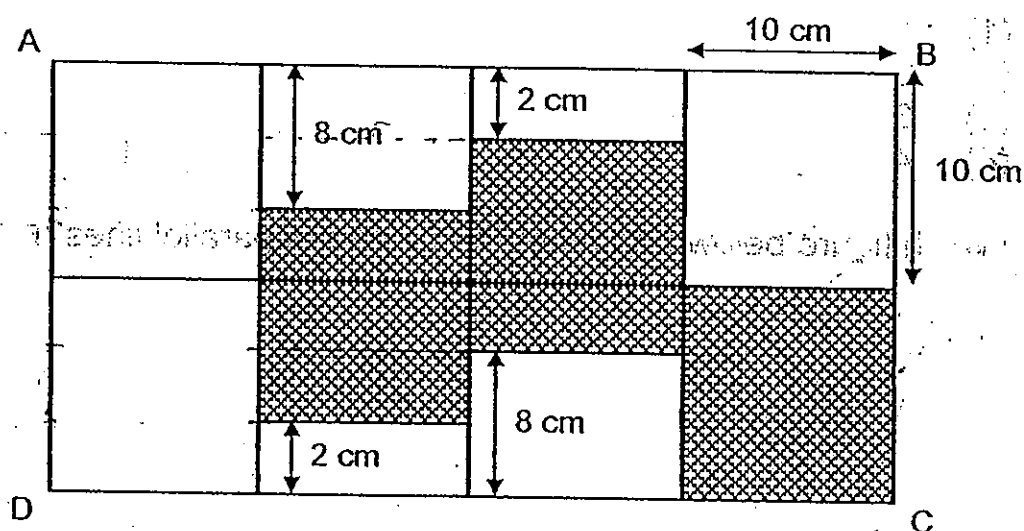


( )

18. Raju has 27 coins. Steven has twice as many coins as Raju. Teddy has thrice as many coins as Steven. How many coins do the three boys have altogether?

- (1)  $27 \times 5$   
 (2)  $27 \times 6$   
 (3)  $27 \times 8$   
 (4)  $27 \times 9$

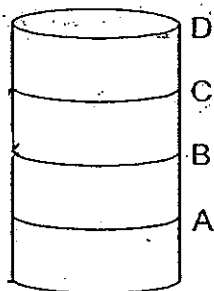
19. Figure ABCD is made of 8 identical squares. What fraction of the figure is shaded?



- (1)  $\frac{3}{10}$   
 (2)  $\frac{3}{8}$   
 (3)  $\frac{5}{12}$   
 (4)  $\frac{5}{8}$



20. A container is marked into 4 equal levels. It has the same capacity as 16 bottles or 32 glasses of water. Which level should the water reach if 8 bottles and 8 glasses of water are poured into it?



- (1) A
- (2) B
- (3) C
- (4) D

( )

Show your working clearly in the space provided and write the correct answers in the answer boxes provided.

9, 6, 4, 0

Ans: \_\_\_\_\_

Ans: \_\_\_\_\_

$$\frac{1}{2}, \quad \frac{3}{5}, \quad \frac{3}{7}$$

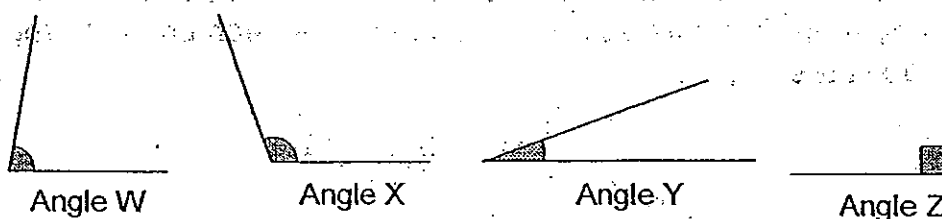
Ans: \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_  
smallest greatest

Ans: \_\_\_\_\_

25. Use all the digits 2, 3 and 4 to form the greatest three-digit number that can be ~~divisible~~ <sup>divided</sup> by 4.

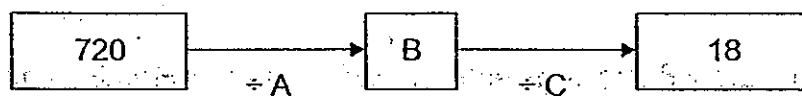
Ans: \_\_\_\_\_

26. Arrange the angles from the smallest to the greatest.



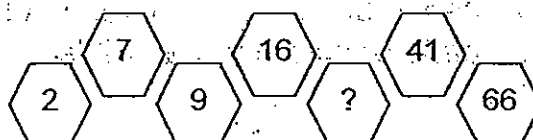
Ans: \_\_\_\_\_  
smallest      greatest

27. If B has a value that is 5 times of 18, what is the sum of A, B and C?



Ans: \_\_\_\_\_

28. Complete the number pattern below.



Ans: \_\_\_\_\_

29. Sam was looking for his puppy. He walked up 2 levels but he could not find it. After walking down 8 levels, he found it at the 15<sup>th</sup> floor. At which floor did Sam start his search?

Ans: \_\_\_\_\_

30. There are 101 chocolates to be shared among 26 children. How many more chocolates are needed so that each child will receive 4 chocolates?

Ans: \_\_\_\_\_

31. A maximum of 8 passengers can board a mini-bus each time. If there are 116 passengers, how many mini-buses are needed to transport all the passengers?

Ans: \_\_\_\_\_

32. There are 68 more guests in Hall A than in Hall B. After 32 guests are transferred from Hall A to Hall B, how many more guests are in Hall A than in Hall B?

Ans: \_\_\_\_\_

33. Mrs Samat wanted to buy 24 cans of tuna but she was short of \$2. She bought 21 cans of tuna and had \$2 left. How much money did she have at first?

Ans: \$ \_\_\_\_\_

34. 3 glasses of fruit juice can fill a jug. What is the capacity of a glass if the capacity of the jug is 1 l 62 ml?

Ans: \_\_\_\_\_ ml

35. The time in Singapore is 8 hours ahead of the time in London. Zhiwen, who lives in Singapore, has a faulty watch which is 15 minutes slower. What is the time in London if Zhiwen's watch shows 6.25 p.m?

Ans: \_\_\_\_\_ a.m.

36. A ribbon, 7 m 8 cm long was cut into 2 pieces. If the longer piece was twice as long as the shorter piece, what was the length of the longer piece?

Ans: \_\_\_\_\_ cm

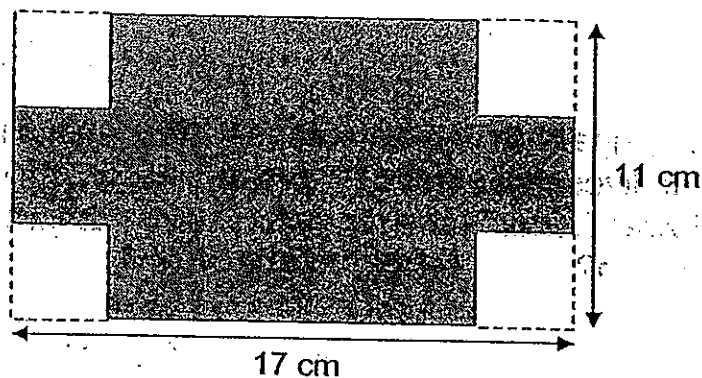
37. At a camp, some girls and boys were grouped into teams. In each team, there were 8 boys and 6 girls. If there were 136 boys, find the number of girls.

Ans: \_\_\_\_\_

38. Thomas bought 2 tins of milk powder. Each tin of milk powder costs \$9.15. How much change would Thomas get if he gave the cashier 1 ten-dollar note, 1 five-dollar note and 2 two-dollar notes?

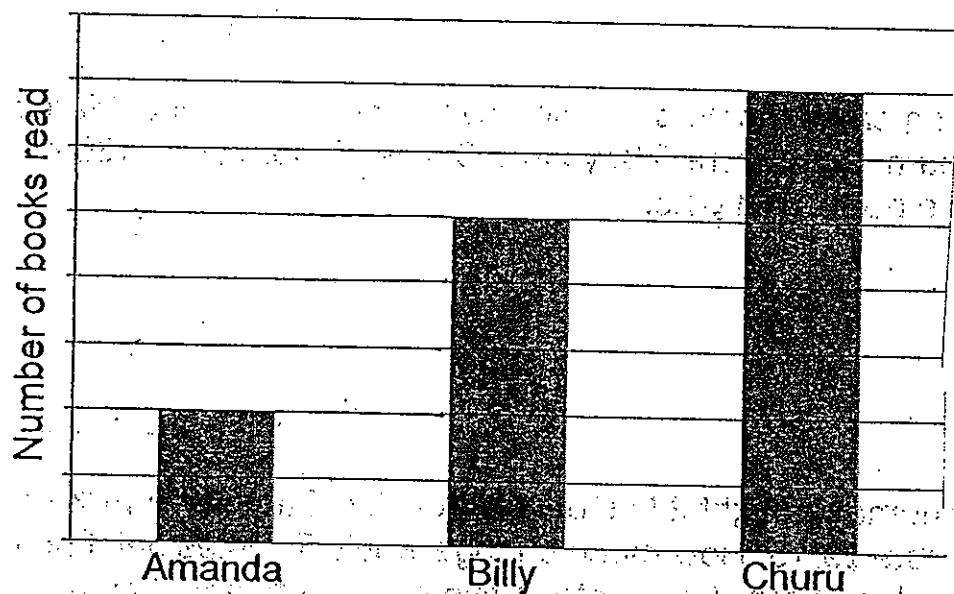
Ans: \$ \_\_\_\_\_

39. 4 identical squares were cut off from the corners of a piece of paper as shown below. Find the perimeter of the remaining piece of paper which is shaded.



Ans: \_\_\_\_\_ cm

40. The graph below shows the number of books each child read. How many books did Churu read if Billy read 12 more books than Amanda?



Ans: \_\_\_\_\_

**SECTION C: Story Sums (5 x 4 marks)**

**Solve the following story sums. All workings must be shown clearly. Draw models if necessary.**

41. Candice and Rosanne baked an equal number of cookies each. After baking, Candice gave 60 of her cookies to her neighbours while Rosanne gave 18 cookies to her friends. Now, Rosanne had thrice as many cookies as Candice. How many cookies did Rosanne bake at first?

Ans: \_\_\_\_\_

- 42, Dennis bought a storybook. He read  $\frac{3}{5}$  of the storybook on the first day and  $\frac{1}{4}$  of the remaining storybook on the second day. If Dennis read 4 pages of the book on the second day,
- how many pages of the storybook are left unread?
  - how many pages are there in the storybook?

Ans: a)

: b)



43. Steven has a total value of \$486. He has twice as many \$2 notes as \$5 notes.
- a) How many \$5 notes does Steven have?
  - b) What is the total value of the \$2 notes that Steven has?

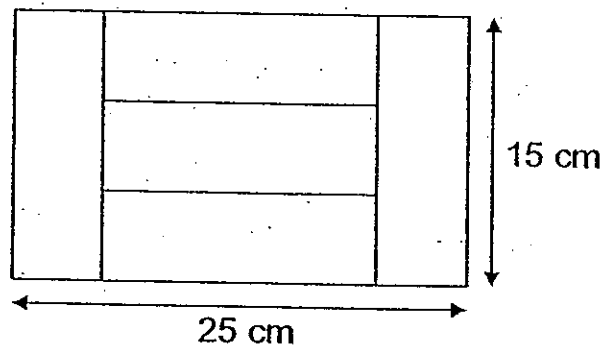
Ans: a) \_\_\_\_\_

: b) \_\_\_\_\_

44. Miss Tay arranged 25 candles in a straight row with equal distance between them. The distance between the 12<sup>th</sup> and the 21<sup>st</sup> candle was 72 cm. After more candles were added to the row, the distance between the 1<sup>st</sup> and the last candle became 280 cm. How many candles had been added?

Ans: \_\_\_\_\_

45. The picture below is made up of 5 identical rectangular tiles.
- a) What is the area of 1 tile?
  - b) What is the perimeter of 1 tile?



Ans: a) \_\_\_\_\_  
: b) \_\_\_\_\_

END OF PAPER



# Ans

## EXAM PAPER 2010

**SCHOOL : CATHOLIC HIGH PRIMARY**  
**SUBJECT : PRIMARY 3 MATHEMATICS**

**TERM : SA2**

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

|     |     |     |
|-----|-----|-----|
| Q18 | Q19 | Q20 |
| 4   | 2   | 3   |

- 21)6409      22)4950      23) $3/7, 1/2, 3/5$       24)377      25)432
- 26)Angle Y, Angle W, Angle Z, Angle X      27)103      28)25      29)21
- 30)3      31)15      32)4      33)\$30      34)354m      35)10.40a.m.
- 36)472cm      37)102      38)\$0.70      39)56cm      40)28
- 41)2u→60 – 18 = 42  
1u→42 ÷ 2 = 21  
3u→21 x 3 = 63  
No.of cookies Rosanne baked→63 + 18 = 81 cookies
- 42)a)1u→4 pages  
3u→4 x 3 = 12 pages  
b)10u→4 x 10 = 40 pages
- 43)a)9u→486  
1u→54 notes  
b)2u→108  
108 x 2 = \$216
- 44)21 – 12 = 9  
9 pages→72cm  
1gap→72 ÷ 9 = 8cm  
280 ÷ 8 = 35 gaps  
No. of candles→35 + 1 = 36  
No.of candles added→36 – 25 = 11candles
- 45)a)area of picture →15 x 25 = 375cm<sup>2</sup>  
area of 1 tile→375 ÷ 5 = 75cm<sup>2</sup>  
b)15 ÷ 3 = 5cm  
Length of 1 tile→75 ÷ 5 = 15cm  
Peri of 1 tile 15 + 5 + 15 + 5 = 40cm

