

Catholic High School
Continual Assessment 2 2008
Mathematics
Primary 3

SECTION A	40
SECTION B	40
SECTION C	20
TOTAL MARKS	100

Name : _____ (.)

Class: Primary 3 _____

Date: 19 August 2008

Duration: 1 h 45 min

Parent's Signature: _____

There are 3 sections consisting of 15 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. $(8 \times 1000) + (5 \times 10) + (4 \times 1) =$

- (1) 854
- (2) 8054
- (3) 8504
- (4) 8540

2. How many 20-cent coins are there in \$4.00?

- (1) 5
- (2) 20
- (3) 30
- (4) 40

3. 5 people share 80 cupcakes equally. How many cupcakes does each person receive?

- (1) 16
- (2) 75
- (3) 85
- (4) 400

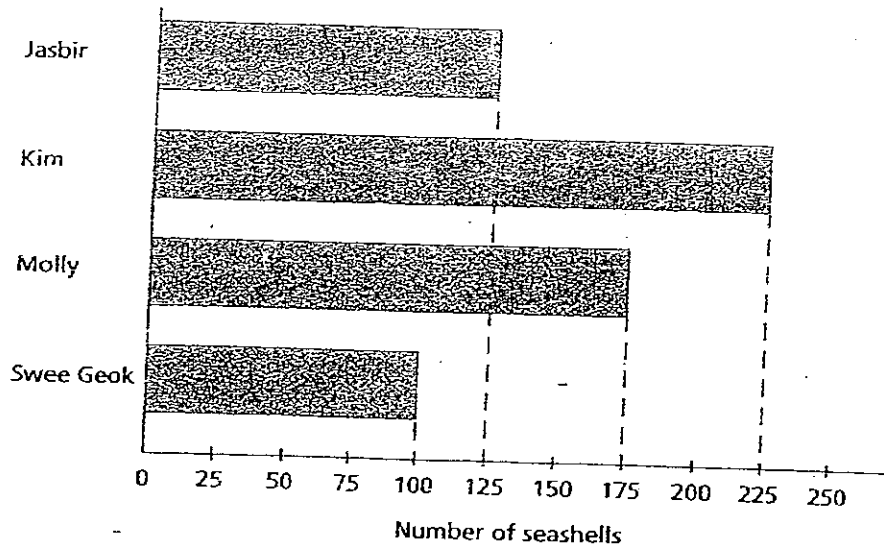
4. The average of 3 numbers is 15. Given that the average of 2 of the numbers is 12, find the 3rd number.

- (1) 3
- (2) 11
- (3) 21
- (4) 45

5. The sum of 2 numbers is 540. The first number is 232. What is the difference between the 2 numbers?

- (1) 76
- (2) 124
- (3) 308
- (4) 772

6. The bar graph below shows the number of seashells collected by four children.



How many more seashells did Kim collect than Jasbir?

- (1) 100
(2) 125
(3) 225
(4) 350
7. I am a four-digit number. The sum of the digits in the tens place and the ones place adds up to 10. The digit in the hundreds place is twice the digit in the thousands place. Which number am I?
- (1) 1210
(2) 2146
(3) 2437
(4) 6328
8. The total cost of a television set and a microwave oven is \$1766. The television set costs \$488. What is the cost of the oven?
- (1) \$639
(2) \$642
(3) \$1278
(4) \$1322

9. 2h 15 min = _____ min

- (1) 60 min
- (2) 75 min
- (3) 135 min
- (4) 215 min

10. A pear cost twice as much as an apple. Given that an apple cost 40 cents, how much does Mrs Krishnan need to pay for 5 pears and 5 apples?

- (1) \$4
- (2) \$6
- (3) \$8
- (4) \$12

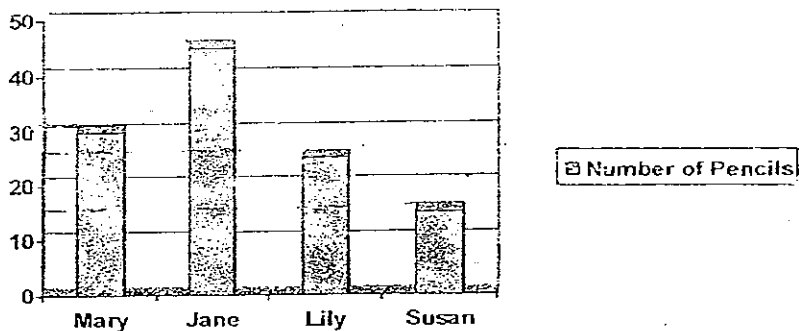
11. The total mass of a table and a bicycle is 108 kg. The table is twice the mass of the bicycle. What is the mass of the table?

- (1) 36 kg
- (2) 72 kg
- (3) 304 kg
- (4) 324 kg

12. Jessie and Ashley had 30 stamps. Jessie and Bryan had 35 stamps. Bryan and Ashley had 25 stamps. How many stamps did Jessie, Ashley and Bryan have altogether?

- (1) 45
- (2) 60
- (3) 90
- (4) 180

13. The bar graph below shows the number of pencils bought by 4 children in a year.



If 3 pencils cost \$1, how much money did Jane spend altogether on pencils in a year?

- (1) \$10
(2) \$15
(3) \$20
(4) \$25
14. The mass of a box with 8 marbles is 640 g. The mass of the same box with 12 marbles is 840 g. What is the mass of the box?
- (1) 50 g
(2) 160 g
(3) 200 g
(4) 240 g
15. Which one of the following is the largest fraction?

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

16. There were some people on a bus. At a bus stop, 20 passengers boarded the bus and 9 passengers got off. There were 37 passengers left on the bus. How many passengers were there at first?

(1) 17
(2) 26
(3) 29
(4) 57

17. Pole A is 305 cm long. Pole B is twice as long as Pole A. Pole C is 350 cm shorter than Pole B. Find the difference in length between Pole A and Pole C.

(1) 45 cm
(2) 260 cm
(3) 610 cm
(4) 655 cm

18. Study the pattern carefully. What is the missing number?

0; 1, 1, 2; 3, 5, 8, 13, 21, _____

(1) 21
(2) 27
(3) 34
(4) 38

19. 12 apples weigh 3kg. What is the mass of 20 apples?

(1) 5kg
(2) 6kg
(3) 7kg
(4) 8kg

20. 3 pails of water are needed to fill half a tank. The tank can hold 108 litres of water. How much water can each pail hold?

(1) 6 l
(2) 12 l
(3) 18 l
(4) 36 l

Please turn over to the next page.

SECTION B: Open-ended Questions (20 x 2 marks)

Write the correct answers in the answer boxes provided.

21. Find the missing number.

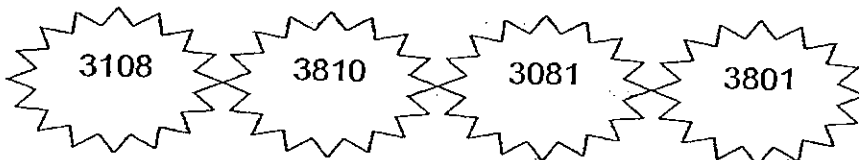
$$\text{Cylinder} + \text{Cylinder} + \text{Cylinder} = 24$$

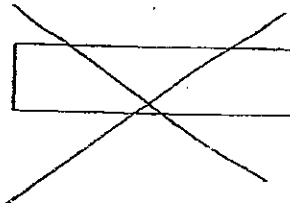
$$\text{Cylinder} + \text{Cross} = 25$$

$$\text{Cross} - \text{Trapezoid} = 8$$

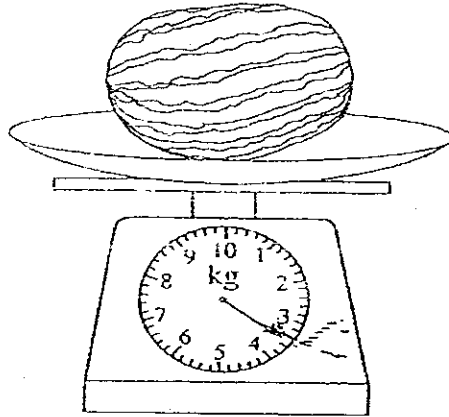
$$\text{Cross} + \text{Cylinder} + \text{Trapezoid} = \boxed{?}$$

22. Arrange the numbers in order. Begin with the biggest number.





23. What is the mass of the watermelon?

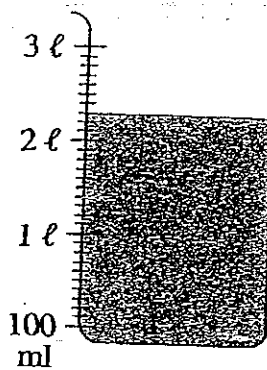


kg g

24. Palm trees were planted along a pavement at an equal distance of 5m apart from each other. What is the distance between the 1st tree and the 20th tree?

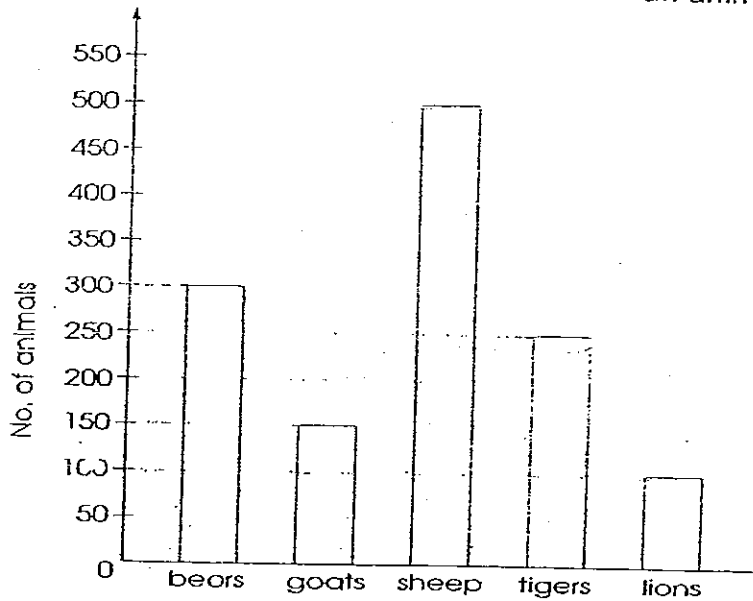
m

25. What is the volume of the water in the container?



l ml

26. The bar graph below shows the animals in an animal reserve.



How many animals are there in the reserve?

animals

27. Charles has \$50 more than Denise. If Charles gives Denise \$10, how much more money will Charles have than Denise?

\$

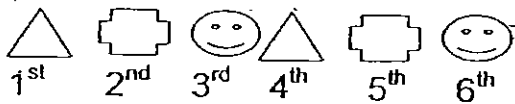
28. John had a box of balls. $\frac{1}{2}$ of the balls were blue, $\frac{1}{4}$ were red and the rest were green balls. Given that there were 5 green balls, how many balls were there altogether?

balls

29. Kim joined TAF club three years ago and her weight was 45kg. She lost 2kg 500g each year. How heavy is she now?
(Give your answer in kg and g)

kg	g
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30. The diagram below consists of a pattern made up of different objects in a straight row. Draw in the space provided what the object in the 100th position would look like.



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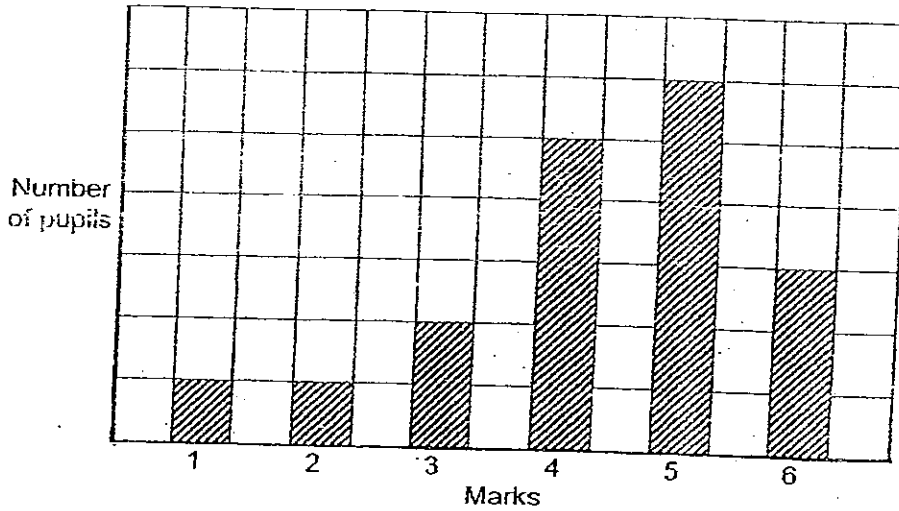
31. Kelly started her ballet lesson at 3.30 p.m. The duration of her lesson is 1 hour 15 minutes. What time did the lesson end?

p.m.

32. Brandon and Peter had the same amount of money. How much money must Brandon give to Peter so that Peter would have \$24 more than Brandon?

\$

33. The bar graph below shows all the marks of the pupils in a class who took a test.

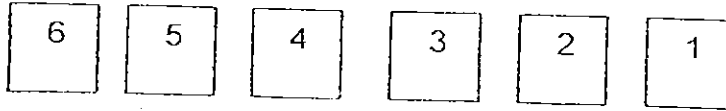


Most of the pupils score _____ marks.

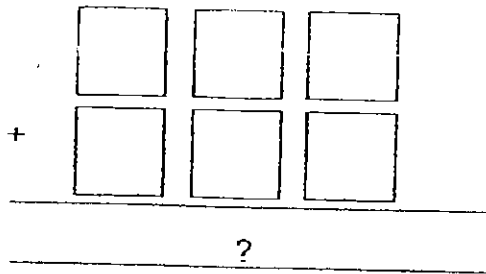
marks

34. The smallest even number that can be formed with the digits 3, 1, 0 and 9 is _____.

35. Daniel has 6 number cards as shown below.



She places all the cards in the boxes below.
What is the smallest sum she can get?



36. The sum of two page numbers facing each other is 123. What are the two page numbers?

37.

John bought a pie. He gave $\frac{5}{16}$ of the pie to Ben

He gave $\frac{3}{8}$ of the pie to Kathy.

He gave $\frac{1}{4}$ of the pie to Mark and kept the remaining pie for himself. What fraction of the pie did he keep for himself?

38. An eraser costs 10 cents less than a ruler.
2 rulers cost 80 cents.
What is the cost of an eraser?

_____ cents

39. Lionel is 74 cm tall. His mother is 103 cm taller than him but 12 cm shorter than Lionel's father. How tall is Lionel's father?

_____ cm

40. If $\frac{1}{2}$ a tank can hold 32 l of water, how many litres of water can $\frac{3}{4}$ of the same tank hold?

_____ l

SECTION C: Story Sums (5 x 4 marks)

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

41. The length of rope A is twice that of rope B. The length of rope B is thrice that of rope C. Find the length of rope A if rope A is 80 cm longer than rope C?

Do not write
in this space

Ans: _____

42. Jason has 12 more marbles than Alan but 8 marbles lesser than Calvin. Given that the three boys have a total of 107 marbles, find the number of marbles Alan has.

Ans: _____

43. Charles had thrice as many stamps as Edward. After Edward collected another 120 stamps, he had twice as many stamps as Charles. How many stamps did Charles have?

Do not write
in this space

Ans: _____

44. Joan has twice as many \$2-notes as \$10-notes. Given that he has a total amount of \$84, how many \$10-notes does he have?

Ans: _____

45. The different figures below show the number of counters needed to build a T-shape.

Do not write in this space

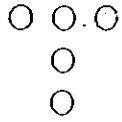


Figure 1
(5 counters)

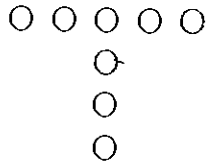


Figure 2
(8 counters)

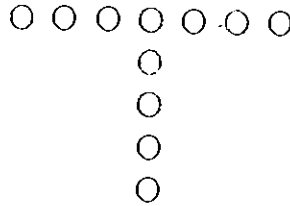


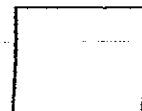
Figure 3
(11 counters)

(a) Calculate the number of counters needed to form figure 20.

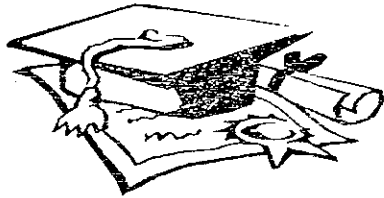
Ans: _____

(b) Which figure consists of 95 counters?

Ans: _____



END OF PAPER



ANSWER SHEET

EXAM PAPER 2008

SCHOOL : CATHOLIC HIGH PRIMARY SCHOOL
SUBJECT : PRIMARY 3 MATHEMATICS

TERM : CA 2

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

Q18	Q19	Q20
3	1	3

21) 34

22) 3810, 3801, 3108, 3081

23) 3kg 400g

24) 95m

25) 21300ml

26) 1300 animals

27) \$30

28) 20 balls

29) 37kg 500g

30) Δ

31) 4.45p.m.

32) \$12

33) 5 marks

34) 1390

35) 381

36) 61, 62

37) $1/16$

38) 30 cents

39) 189cm

40) 48L

41)

80cm

RA

RB

RC

$$80 \div 5 = 16\text{cm}$$

$$80\text{cm} + 16\text{cm} = 96\text{cm}$$

The length of rope A is 96cm.

42) J

10	12
----	----

A

--

107

C

10	12	5
----	----	---

$$12 + 12 + 8 = 32$$

$$107 - 32 = 75$$

$$75 \div 3 = 25$$

Alan has 25 marbles.

43)

C

--	--	--	--

E

--	--	--	--

120 stamps

$$120 \div 5 = 24$$

$$3 \times 24 = 72$$

He had 72 stamps.

44) He has 6 \$10-notes

45) a) 62 counters

b) Figure 31