NANYANG PRIMARY SCHOOL

FIRST SEMESTRAL EXAMINATION
2004

PRIMARY 2

MATHEMATICS

TIME: 1 HOUR 30 MINUTES

Section A	/ 40
Section B	/ 40
Section C	/ 20

Total:	/100

Name: _____ (   )

Class: Primary 2 (   )

Parent's Signature: _____

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

FOLLOW ALL INSTRUCTIONS CAREFULLY.

Questions 1 to 20 carry 2 marks each. For each question, four choices are given. One of them is the correct answer. Choose the correct answer and write its number (1, 2, 3 or 4) in the brackets ( ) provided.   (Total: 40 marks)

1. 60 tens and 19 ones is written as _____ .

    (1) 609   (2) 619
    (3) 6019   (4) 6190   (   )

2. What is the smallest 3-digit number that can be formed with the digits 2, 7 and 0?

    (1) 207   (2) 270
    (3) 702   (4) 720   (   )

3. What is the missing number in the box?

                728 + 261 = [   ]

    (1) 467   (2) 547
    (3) 889   (4) 989   (   )

4. What is the missing number in the box?

$$876 \quad - \quad 353 \quad = \quad \boxed{}$$

(1) 323   (2) 329
(3) 523   (4) 529   (   )

5. What is the missing digit in the box?

$$\begin{array}{cccc} & 6 & \boxed{} & 3 \\ + & 3 & 3 & 7 \\ \hline 1 & 0 & 0 & 0 \\ \hline \end{array}$$

(1) 6   (2) 7
(3) 8   (4) 9   (   )

6. What is the missing number in the box?

$$\boxed{} \quad - \quad 596 \quad = \quad 399$$

(1) 197   (2) 203
(3) 985   (4) 995   (   )

7. If you count in 2s, starting with 4, the sequence looks like this:

   4 , 6 , 8 , 10 , . . .

   What is the 8th number in this sequence?

   (1) 14   (2) 16
   (3) 18   (4) 20   (   )

8. An octopus has 8 legs. How many legs do 3 octopuses have?

   (1) 16   (2) 18
   (3) 24   (4) 26   (   )

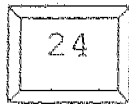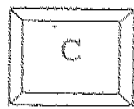9. Coloured beads were sold in boxes of 12. Ling bought 2 boxes of coloured beads. How many coloured beads did she buy?

   (1) 12   (2) 24
   (3) 36   (4) 48   (   )

10. What is the sum of A and B?

First row	A	12	14	18
Second row	5	6	7	B

   (1) 9   (2) 10
   (3) 18   (4) 19   (   )

11. What is the difference between C and D in the number pattern shown below?

| C | 21 | 24 | D | 30 |
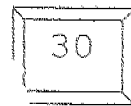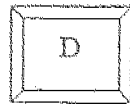
(1) 9
(2) 18
(3) 27
(4) 45   (   )

12. What is the missing number?

$$4 + 4 + 4 + 4 + 4 + 4 + 4 = \underline{\hspace{2cm}} \times 4$$

(1) 7
(2) 20
(3) 28
(4) 32   (   )

13. Study the picture carefully.

| 100 | 90 | | 40 | 30 | 20 | 10 | m |
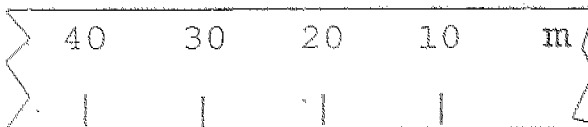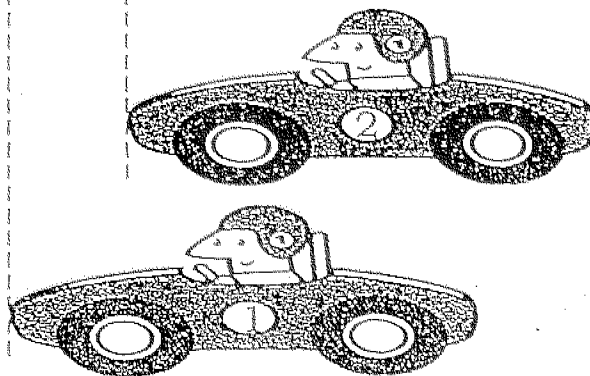
Finishing Line

The winning car is _____ m away from the finishing line.

(1) 10
(2) 30
(3) 40
(4) 60   (   )

14. Study the picture carefully.

cm	1	2	3	4	5	6	7	8	9

What is the length of the film strip?

(1)   2 cm   (2)   6 cm
(3)   8 cm   (4)   9 cm   (   )

15. The fence around Mr Cheng's house is 800 m. He has painted 582 m. How much more has he to paint?

(1) 218 m   (2)   228 m
(3) 318 m   (4)   328 m   (   )

16. Sanjay, Amir and Tim shared 18 UNO cards equally among themselves. How many cards did each of them receive?

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

17. What is the mass of the two bricks?
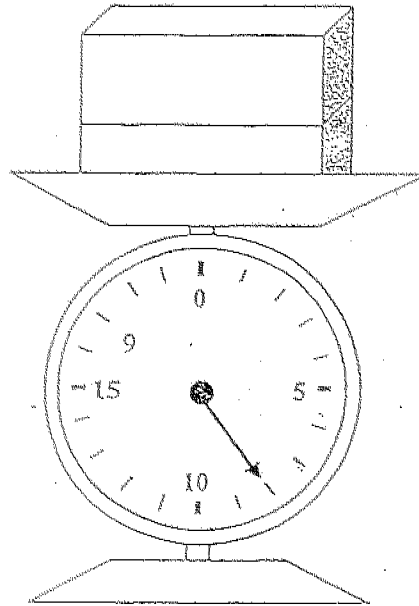
(1) 8 g   (2) 80 g
(3) 8 kg   (4) 80 kg   (   )

18. What is the mass of the fish?
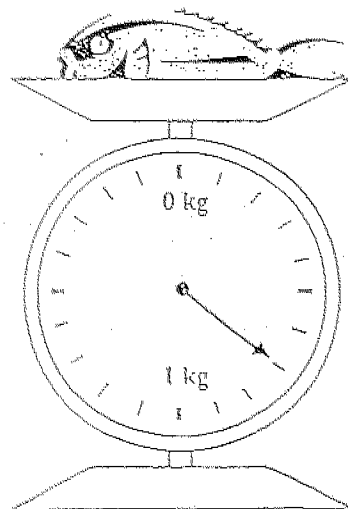
(1) 600 g   (2) 650 g
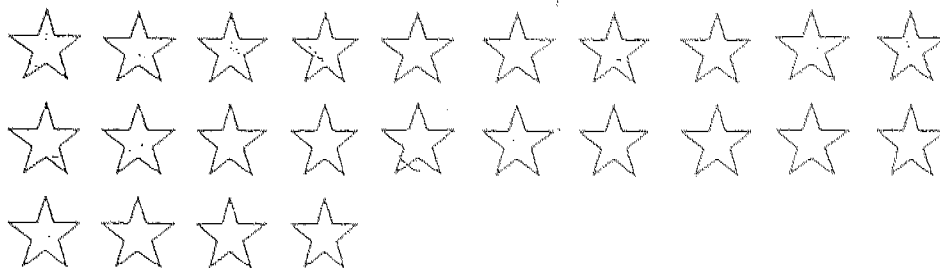(3) 700 g   (4) 750 g   (   )

19. What is the mass of ▢ if the mass of each ⬠ is 2 kg?
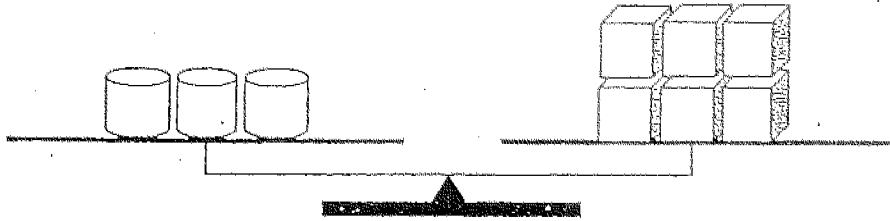
(1) 1 kg
(3) 3 kg

(2) 2 kg
(4) 6 kg   (   )

20. Which one of the groupings is not possible for the 24 stars shown below?

☆ ☆ ☆ ☆ ☆ ☆ ☆ ☆ ☆ ☆
☆ ☆ ☆ ☆ ☆ ☆ ☆ ☆ ☆ ☆
☆ ☆ ☆ ☆

(1) 9 groups of 3   (2) 3 groups of 8
(3) 2 groups of 12   (4) 4 groups of 6 (   )

Questions 21 to 40 carry 2 marks each.
Write your answers in the boxes provided.

(Total: 40 marks)

21. There are _____ hundreds in 1000.

22. Arrange these numbers in ascending order.

970   709   790   907

23. The sum of 24 and 572 is _____.

24. The difference between 567 and 254 is _____.

8

25. Subtract 18 from the sum of 64 and 234.

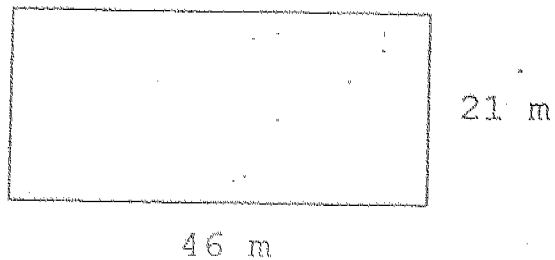26. There are 346 boys and 130 girls in the hall. How many **more** boys than girls are there?

27. The total length of the 2 sticks is 153 cm. The length of stick B is _____ cm.

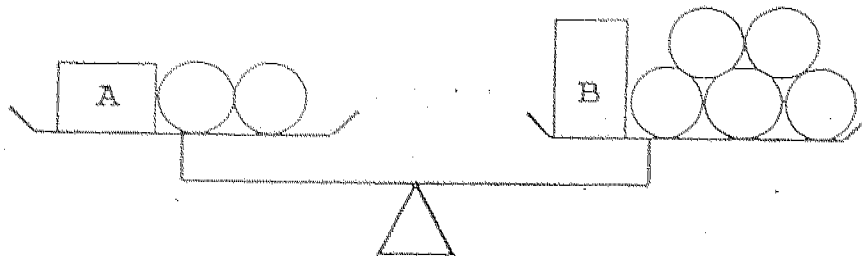A   B

90 cm

cm

28. Fill in the blank with "cm" or "m".

Ali cycles 30 _____ to reach the bus stop.

29. A man jogged around this rectangular field once. What distance did he jog?

```
            21 m

   46 m
```

```
                                    m
```

30. Each ◯ has a mass of 20 g. Box B has a mass of 10 g. What is the mass of Box A?

```
   A  ◯◯        B  ◯◯
                  ◯◯◯
         △
```
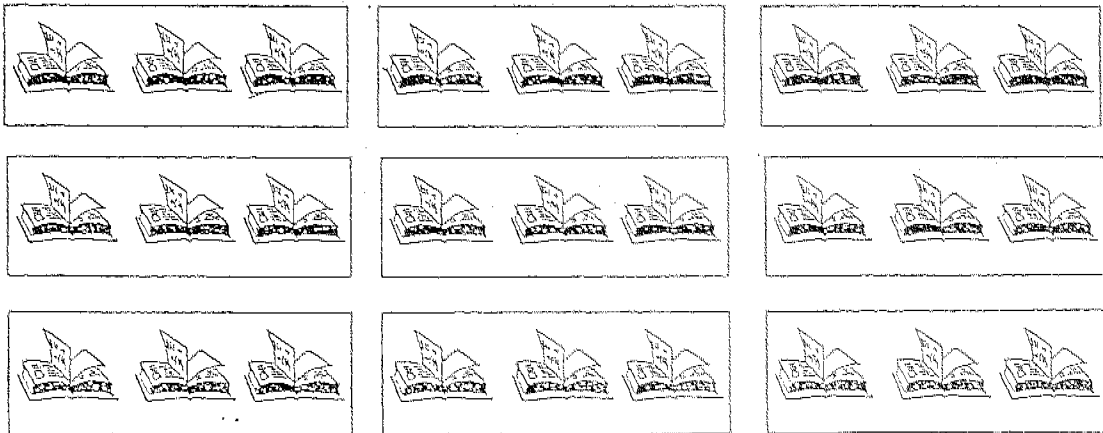
```
                                    g
```

31. The total mass of 2 tennis balls and a football is 650 g. If each tennis ball has a mass of 55 g, what is the mass of the football?

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                                    g
```

32. Study these pictures carefully. Then answer the question.

Toy plane

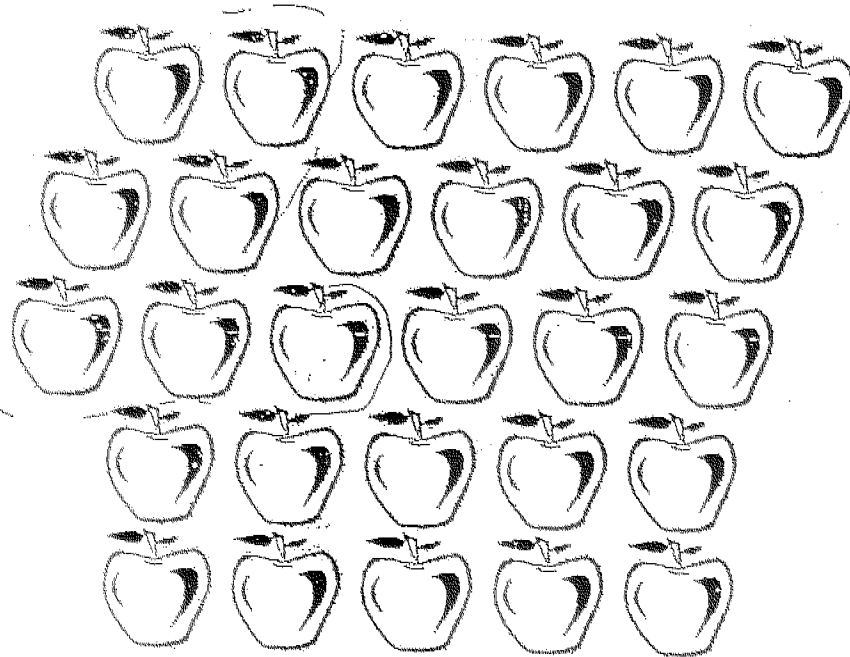Teddy bear

Toy car

Doll

Toy plane
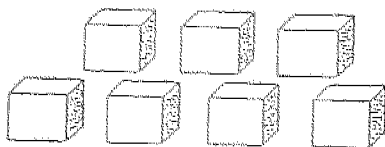
Doll
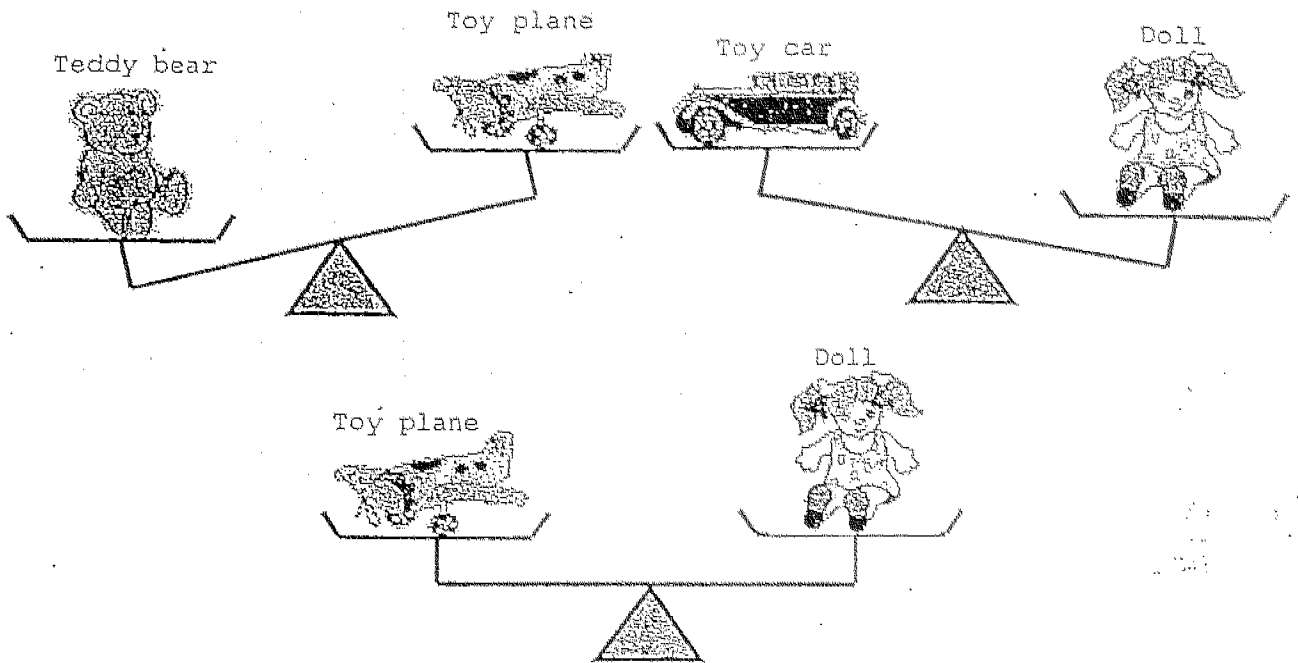
Which is the lightest?

33. How many groups of 3 are there?

34. Divide 28 apples into 4 equal groups. How many apples are there in each group?

35. If each ⬜ stands for 2 boxes,

stand for ____ boxes.

36. A triangle has 3 sides.
    7 triangles have _____ sides.

37. Rani baked 5 cookies. Li Wen baked twice as many cookies as Rani. How many cookies did Li Wen bake?

38. Shankar eats 2 bananas and 1 orange a day. He eats _____ fruits in 5 days.

39. 3 spiders have 24 legs.
2 spiders have _____ legs.

40. There were 7 boys and 2 girls at a party. Each child was given an equal number of balloons. If 18 balloons were given away at the party, how many balloons did each child get?
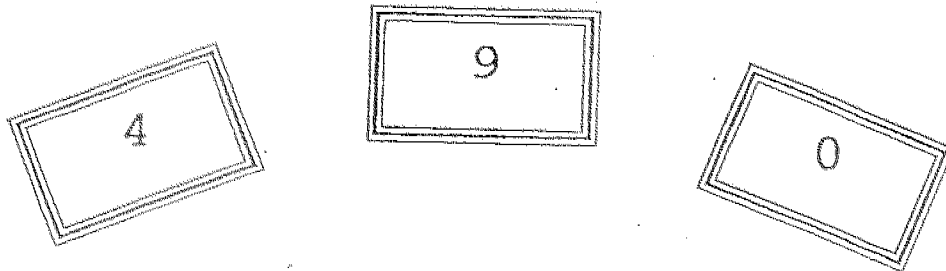
Questions 41 to 45 carry 4 marks each.
Do these word problems carefully.
Show your working in the space provided.

(Total: 20 marks)

41.

(a) Using the cards shown above, form the greatest 3-digit number.

_____

(b) In the 3-digit number in (a), what is the value of the digit which is in the hundreds place?

_____

(c) Using the same cards shown above, form the smallest 3-digit number.

_____

(d) Find the sum of the 3-digit numbers formed in (a) and (c)

_____

14

42. Richard sold 419 funfair tickets. Ming sold 59 tickets fewer than Richard. How many funfair tickets did they sell altogether?

43. Aini cycled 120 m on the first day. On the second day, she cycled 160 m and on the third day she cycled 200 m. If she increased her cycling distance at the same rate, how far do you think she cycled on the sixth day?

44. Mrs Tan bought 9 boxes of muffins. Each box contained 2 muffins. She gave the muffins equally to 3 children. How many muffins did each child get?

45. Box A has a mass of 240 g. Box B is 85 g heavier than Box C. Box C is 30 g lighter than Box A. Find the mass of Box B.

☺ *End of Paper* ☺
Please Check Carefully

1) 2

2) 1

3) 4

4) 3

5) 1

6) 4

7) 3

8) 3

9) 2

10) 4

11) 1

12) 1

13) 4

14) 2

15) 1

16) 1

17) 3

18) 3

19) 1

20) 1

21) 10

22) 709   790   907   970

23) 596

24) 313

25) 280

26) 216

28) m

29) 134

30) 70

31) 540

32) Toy car

33) 9

34) 7

35) 14

36) 21

37) 10

38) 15

39) 16

40) 2

41) a) 940

    b) 900

    c) 409

    d) 1349

42) 779 funfair tickets

43) 295 m

44) 6 muffins

45) 295 g