Tao Nan School
Primary 3 Mathematics Mid-Year Examination - 2006

Date: <u>11 May 2006</u>

Class: Pr 3(   )

Time: <u>1.25 p.m. – 2.55 p.m.</u>

Marks:_____/ 100

Section A (20 marks)

Questions 1 to 10 carry 1 mark each. Questions 11 - 15 carry 2 marks each. For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3, 4). Shade the correct answer on the Optical Answer Sheet (OAS).

1.   8200 = _____

(1)   82 thousands
(2)   82 hundreds
(3)   82 ones
(4)   82 tens

2.   In 3124, the digit _____ is in the thousands place.

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

3.   1085¢ = _____

(1) $108.50
(2) $108.05
(3) $ 10.85
(4) $ 1.85

4. Find the difference between 7070 and 606.

(1) 1010
(2) 6464
(3) 7474
(4) 7676

5. 6 groups of 5 can be expressed as _____.

(1) 6 + 6 + 6 + 6 + 6 + 6
(2) 5 + 5 + 5 + 5 + 5 + 5
(3) 6 + 5 + 6 + 5 + 6
(4) 5 + 5 + 5 + 5 + 5

6. Divide 85 by 8. The remainder is _____.

(1) 5
(2) 8
(3) 10
(4) 15

7. Find the product of 208 and 8.

(1) 1616
(2) 1664
(3) 1744
(4) 1764

8. Seven thousand, one hundred and thirteen is the same as _____.

(1) 7000 + 10 + 20
(2) 7000 + 10 + 13
(3) 7000 + 100 + 13
(4) 7000 + 100 + 30

2

9. 162 stamps were shared equally among 9 children. Each child gets
_____ stamps.

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

10. $7000 + 1500 + 6 =$ _____

(1) 7156
(2) 7021
(3) 8506
(4) 8605

11. Add 1234 and 5678.
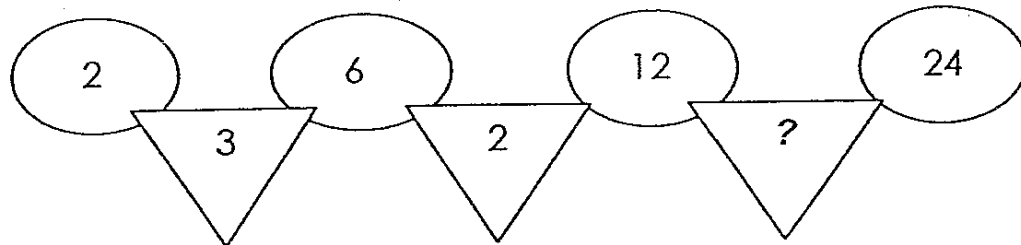In the sum, the digit _____ is in the hundreds place.

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

12. $8 \times 7 = 49 +$ ____

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

13. Find the quotient of 42 and 7.

(1)   6
(2)   9
(3)   63
(4)   294

14. Look at the pattern carefully.

The missing number is _____.

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

15.

$$\bigcirc \bigcirc \bigcirc = \boxed{}$$

$$\boxed{} + \boxed{} = 6$$

The value of $\bigcirc$ is _____.

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

4

Section B		40
Section C		40
Total		80

Class: Pr 3(   )

Section B (40 marks)

Each question carries 2 marks. Write your answers in the boxes provided. For answers which require units, give your answers in the units stated.

16. Write five thousand two hundred and six in numeral.

Ans:

17. 200 x 6 = _____

Ans:

18. 4 x 3 = 3 + 3 + 3 +_____

Ans:

19. Solve the following:

$$
\begin{array}{r}
7\ 9\ 5\ 6 \\
+\ 1\ 3\ 9\ 8 \\
\hline
\boxed{?}\ 3\ 5\ 4 \\
\hline
\end{array}
$$

What is the missing digit?

Ans:

20. Solve the following:

$$
\begin{array}{r}
5\ 2\ 7 \\
\times\ \ \ \ \ 8 \\
\hline
\end{array}
$$

Ans:

21. A spider has 8 legs. How many legs do 9 spiders have?

Ans:

22. $77 \div 3 =$ _____

Ans:

6

b

23. What is the **smallest** 4-digit number that can be formed with 5, 3, 1 and 9?

Ans: [   ]

24. Complete the number pattern.

64, 56, _____, 40, 32

Ans: [   ]

25. What is the remainder of 207 ÷ 6?

Ans: [   ]

26. _____ is $4000 less than $5557.

Ans: $[   ]

27. Study the model.

This year			
Last year	50 presents		

Mr Goh bought _____ presents this year.

Ans: [   ]

28. Complete the number pattern.

10, 20, 40, _____, 110, 160, 220
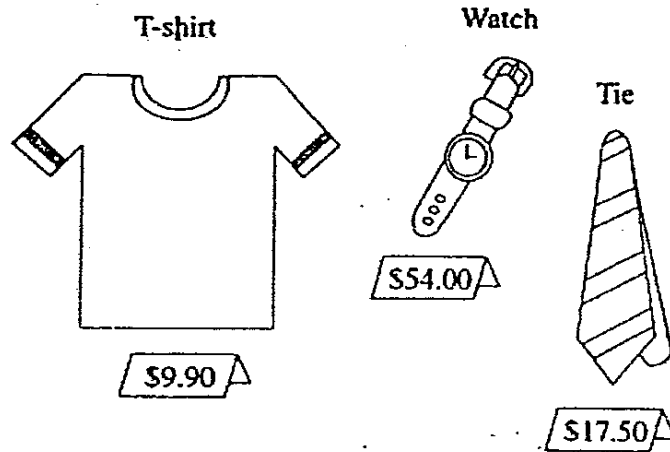
Ans: [   ]

29.

$10 + $2 + ? = $36.50

The missing amount of money is _____.

Ans: $[   ]

Refer to the information below to answer questions 30 and 31.

T-shirt   Watch   Tie

$54.00

$9.90 $17.50

30. The cost of two T-shirts is _____.

Ans: $ _____

31. Ann bought 2 ties and a watch. She gave the cashier $100. How much change did Ann receive?

Ans: $ _____

32. I am an **odd** number between 50 and 70. I cannot be divided by 5 but can be divided by 9. What am I?

Ans: _____

33.

$$25\,R\,2$$

$$5\overline{)\,1\,2\,?}$$

```
        2 5 R 2
      _____
   5 ) 1 2 ?
       1 0
       ____
       0 2 ?
         2 5
       ____
         0 2
```
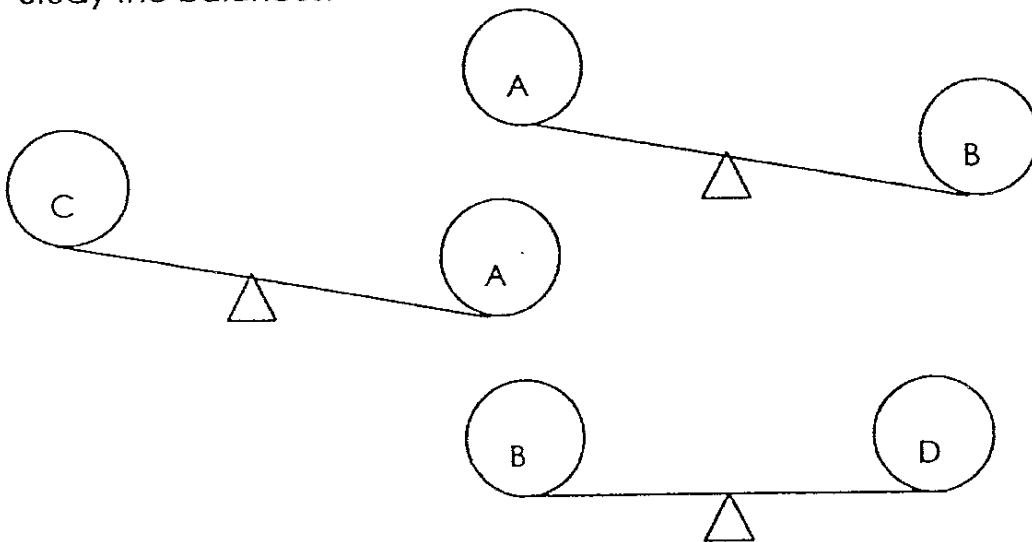
The missing digit is _____.

Ans: [ ]

34. The product of three numbers is 24. Two of the numbers are 4 and 3. The **sum** of the three numbers is _____.

Ans: [ ]

35. Study the balances.

The lightest object is _____.

Ans: [ ]

10

Section D (10 x 4 marks)

Each question carries 4 marks. Show your working and statement clearly in the spaces provided.

36.   Tom collected 406 stamps. Tom's sister collected 100 stamps more than him. How many stamps did his sister collect?
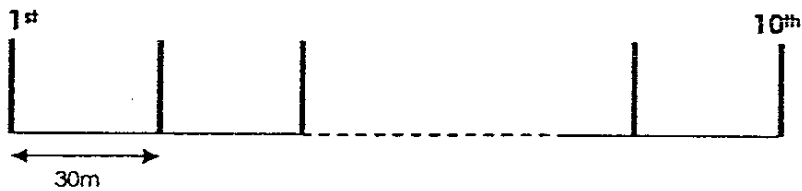
37.   Miss Tan bought 40 pupils some sweets. Each pupil received 5 sweets. How many sweets did Miss Tan buy?

38. Joel needed to walk 291 steps to reach his house from the bus stop. He had already walked 96 steps. How many **more** steps must he walk?

39. A baker packed 208 tarts into boxes. He packed 6 tarts into each box.
a) How many boxes contained 6 tarts?
b) How many tarts were left unpacked?

40. Ravi has 1200 marbles. Brenda has 120 fewer marbles than Ravi.
How many marbles do they have altogether?

41. 10 poles were placed in a straight row at equal distances.
The distance between two poles is 30m.
a) What is the distance between the 1st and the 3rd poles?
b) What is the distance between the 1st and the 10th poles?

42.   A factory used 6000 litres of water in 3 days. It used 1500 litres of water on the first day and twice as much on the second day. How many litres of water were used on the third day?

43.   Mr Ng has some coins. The value of the coins adds up to $3.75. If he has two 50¢ coins, eight 20¢ coins and three 5¢ coins, how many 10¢ coins does he have?

44.   1 book and 2 pens cost $10. 1 book and 3 pens cost $12.00. How much does a book cost?

45.   100 passengers are crossing a river by boats. Each boat only has space to take 8 passengers across the river once. What is the least number of boats needed to take all the passengers across the river?

END OF PAPER

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Answer Sheets
Tao Nan Pri 3 SA1 / 2006 Maths

1)	2	2)	3	3)	3	4)	2	5)	2
6)	1	7)	2	8)	3	9)	4	10)	3

11)	4	12)	2	13)	1	14)	2	15)	1

16. 5206

17. 200 x 6 = 1200

18. 4 x 3 = 3 + 3 + 3 + **3**

19. 7956 + 1398 = **9**354

20. 527 x 8 = 4216

21. 8 x 9 = 72 legs

22. 77 ÷ 3 = 25 r2

23. 1359

24. 64, 56 **48,** 40 , 32

25. 207 ÷ 6 = 34 **remainder 3**

26. $5557 – $4000 = $15557

27. 50 x 3 = **150 presents** this year

28. 10, 20, 40, **70,** 110, 160, 220

29. $10 x 3 = $30
$2 x 3 = $6
$(36.50 – 30 – 6) = **$0.50¢**

30. 1 T shirt   = $9.90
2 T shirts = $9.90 x 2
          = $19.80

31. 2 Ties = $17.5 x 2 = $35.00
1 Watch = $54.00
$(100 – 54 – 35) = $11.00

32. 51,53,55,57,59,61,**63**,65,67,69
63 = cannot divide by 5
63 = can divide by 9

33. 127 ÷ 5 = 25 r2

35. The lightest object is **C**

34. 4 x 3 = 12
24 ÷ 12 = 2
2 + 4 + 3 = 9

36. Tom   =   406 stamps
    Tom's sister   =   100 + 406
                            =   506 stamps.

   Tom's sister collected = **506 stamps.**

37. 40 x 5 = 200 sweets

   Miss Tan bought **200 sweets**

38. 291 – 96 = 195 steps

   He must walk **196 steps** more.

39a. 208 ÷ 6 = 34 boxes.
   b. 208 ÷ 6 = 34 remainder 4

   a.) 34 boxes contained 6 tarts.
   b) 4 tarts left unpacked.

40   Ravi   = 1200 marbles
     Brenda = 1200 – 120
                  = 1080 marbles
                  = 1200 + 1080
                  = 2280 marbles

   They have **2280 marbles** altogether

41a. 30m + 30m = **60m**
   b. 10 x 30 = 300m
                = (300 – 30)m
                = 270m

   Distance between the 1st and the 10th poles is **270m**

42. 1st day = 1500ℓ
    2nd day = 1500ℓ x 2
            = 3000ℓ
            = (6000 – 1500 – 3000)ℓ
            = 1500ℓ
    He used **1500ℓ** on the 3rd day.

43. 0.50¢ x 2   = $1.00
    0.20¢ x 8   = $1.60
    0.05¢ x 3   = 0.15¢
                 = $(1.00 + 1.60 + 0.15)
                 = $2.75
                 = $(3.75 – 2.75)
                 = $1.00
                 = 100¢ ÷ 0.10¢
                 = 10

    He has **10** 0.10¢ coins

44. 1 book + 2 pens = $10.00
    1 book + 3 pens = $12.00
                    = $(12.00 – 10.00)
                    = $2.00
    1 pen cost   = $2.00
    2 pens cost   = $4.00
    1 book + 2 pens = $(10 – 4)
                    = $6.00

    1 book cost **$6.00**

45. 100 ÷ 8 = 12.5
            = 13 boats

    13 boats are needed to take all the passengers across the river.