

TAO NAN SCHOOL  
PRIMARY 4 MID-YEAR MATHEMATICS EXAMINATION 2008

Name: \_\_\_\_\_ (      )

Date: 12 May 2008

Class: Primary 4 \_\_\_\_\_

Time: 8.00 a.m. – 9.45 a.m.

Parent's Signature: \_\_\_\_\_

Marks: \_\_\_\_\_ / 100

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Section A ( 20 marks )

Questions 1 to 10 carry 1 mark each. Questions 11 to 15 carry 2 marks each.

For each question, four options (1, 2, 3, and 4) are given. One of them is the correct answer.

Choose the correct answer and shade its oval in the OAS.

1. In 84 259, the value of the digit 2 is \_\_\_\_\_.

- 1) 20
- 2) 200
- 3) 2 000
- 4) 20 000

2. Which of the following has the same value as  $340 \times 36$ ?

- ~~1)~~  $34 \times 10 \times 36$
- ~~2)~~  $34 \times 100 \times 36$
- ~~3)~~ 34 hundreds  $\times 36$
- ~~4)~~  $34 \times 10^{\text{hundreds}} \times 36$

3. 23 987 rounded off to the nearest hundred is \_\_\_\_\_.

- 1) 23 900
- 2) 24 900
- 3) 23 990
- 4) 24 000

4. Which of the following is **not** an equivalent fraction of  $\frac{1}{4}$ ?

~~1)~~  $\frac{2}{8}$

~~2)~~  $\frac{3}{12}$

~~3)~~  $\frac{4}{16}$

~~4)~~  $\frac{4}{20}$

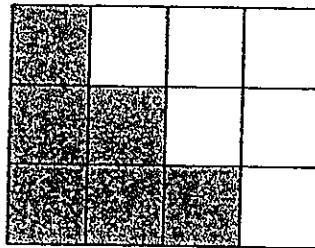
5. How many more squares must be shaded so that  $\frac{5}{6}$  of the figure is shaded?

1) 10

2) 6

3) 5

4) 4



6. The sum of  $3\frac{2}{7}$  and  $\frac{5}{21}$  is \_\_\_\_\_.

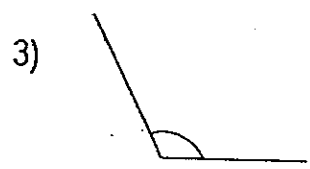
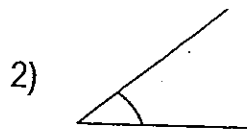
1)  $3\frac{1}{21}$

2)  $3\frac{7}{28}$

3)  $3\frac{11}{21}$

4)  $3\frac{11}{42}$

Which of the following angles is less than  $90^\circ$ ?



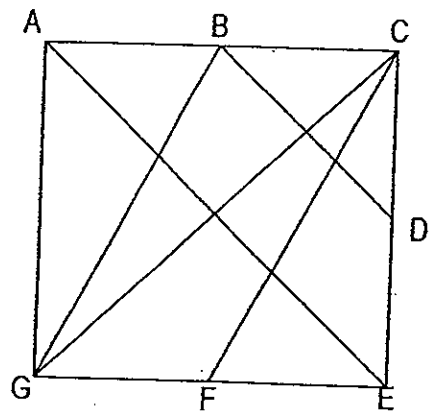
8.  $\times$  = 64

+ = 38

What is the value of ?

- 1) 6
- 2) 8
- 3) 26
- 4) 30

9. ACEG, not drawn to scale, is a square. AE is perpendicular to \_\_\_\_\_.



- 1) BD
- 2) BG
- 3) CF
- 4) CG

10. Mr Tan had some wooden chairs. He painted  $\frac{1}{10}$  of the chairs in the morning and  $\frac{3}{5}$  of the chairs in the afternoon. What fraction of the chairs was not painted?

1)  $\frac{3}{10}$

2)  $\frac{4}{10}$

3)  $\frac{7}{10}$

4)  $\frac{9}{10}$

11. There were 375 green balloons and 113 yellow balloons in a box. Jenny mixed them together and packed them equally into 8 boxes. How many balloons were there in each box?

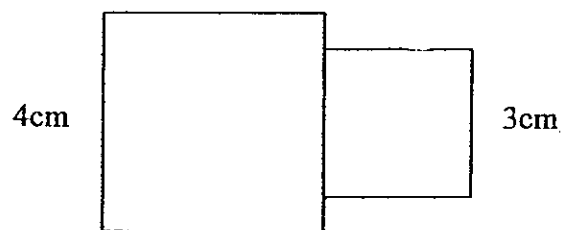
1) 61

2) 81

3) 262

4) 488

12. The figure is made up of two squares. The perimeter of the figure is \_\_\_\_\_ cm.



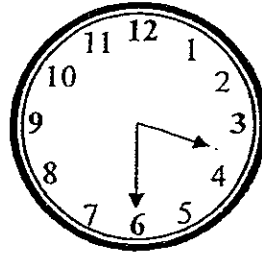
1) 21

2) 22

3) 25

4) 28

13. The figure below shows a clock at 3.30 p.m. How many  $\frac{1}{4}$ -turns will the minute hand take to reach 5 p.m.?



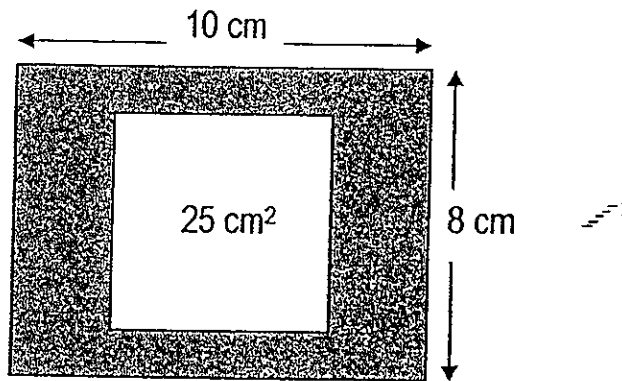
- 1) 6  
2) 2  
3) 3  
4) 4
14. Each letter represents a different digit. The same letter represents the same digit.

$$\begin{array}{r}
 \phantom{x} \phantom{00} A \phantom{0} A \phantom{0} A \\
 \times \phantom{00} \phantom{00} \phantom{00} 3 \\
 \hline
 1 \ B \ B \ A
 \end{array}$$

What digit does the letter B represent?

- 1) 8  
2) 6  
3) 5  
4) 4

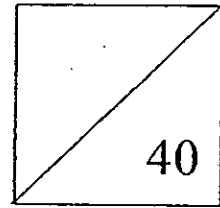
15. May pasted a picture onto a piece of cardboard as shown below. She left a border around the picture. What is the area of the border?



- 1) 11 cm<sup>2</sup>
- 2) 55 cm<sup>2</sup>
- 3) 65 cm<sup>2</sup>
- 4) 80 cm<sup>2</sup>

Name : \_\_\_\_\_ ( )

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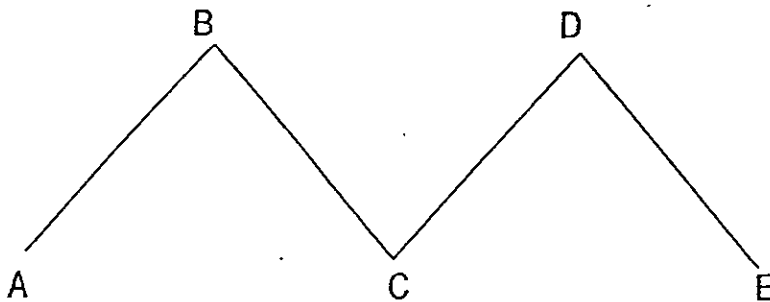
Section B (20 x 2 marks)

For each question, write your answer in the box provided.  
Give your answer in the units stated.

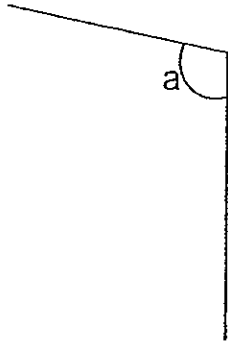
16. The product of 673 and 20 is \_\_\_\_\_.

17. Divide 6 072 by 6. The quotient is \_\_\_\_\_.

18. Which line is parallel to line CD?



19. Measure and write down the value of  $\angle a$



20. What is the value of  $\frac{6}{7}$  of 77?

21. The figure is made up of 6 identical rectangles.  
What fraction of the figure is shaded?





22. Which number has more factors?

2

5

12

15

23. Siti spilt some ink on Janet's book and covered part of the sentence.

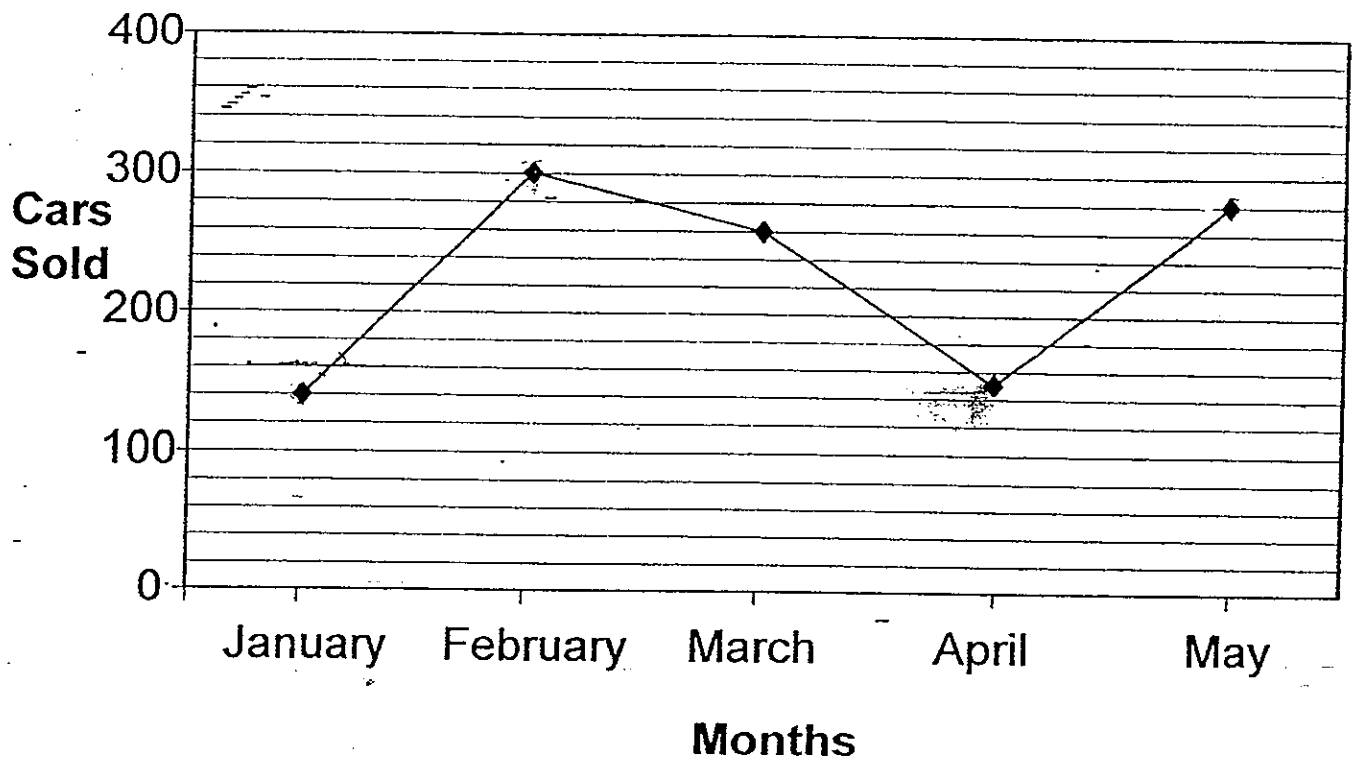
$$600 \div 30 = \text{[ink stain]} \times 10$$

What is the number covered by the ink stain?

24. The product of the 3<sup>rd</sup> and 5<sup>th</sup> multiples of 3 is \_\_\_\_\_.

The line graph shows the number of cars sold from January 2007 to May 2007. Study the graph and answer questions 25 to 27.

### Numbers of Cars Sold from Jan to May

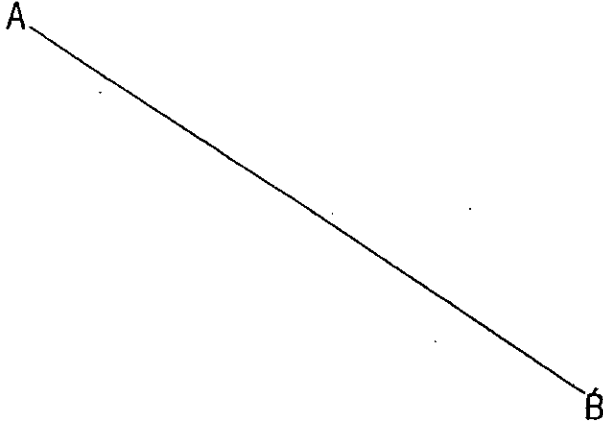


25. There were \_\_\_\_\_ cars sold in January.

26. There was an increase of \_\_\_\_\_ cars sold from April to May.

27. Which 1-month interval showed the greatest decrease in the number of cars sold?

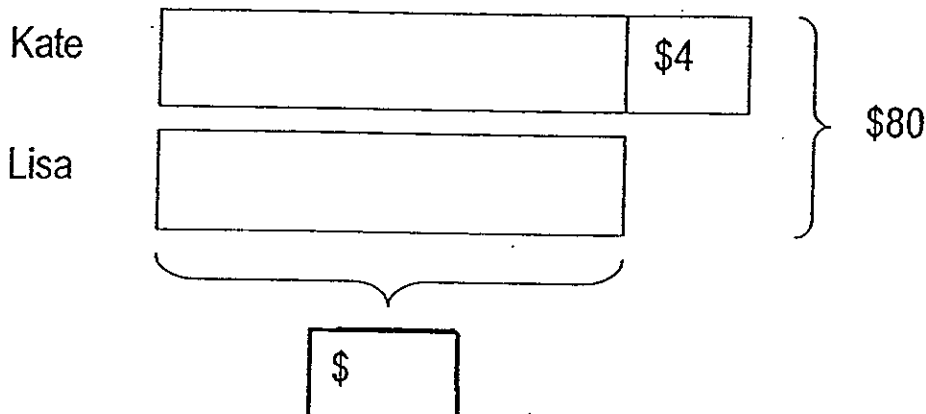
28. Draw the line CB perpendicular to the line AB.



29. Find the difference between  $1\frac{3}{8}$  and  $\frac{1}{4}$ . Give your answer as an improper fraction.

30. The smallest 5-digit even number that can be formed with the digits 3, 8, 0, 2 and 4 is \_\_\_\_\_.

31. Kate got \$4 more than Lisa. How much did Lisa get? Fill in the box.



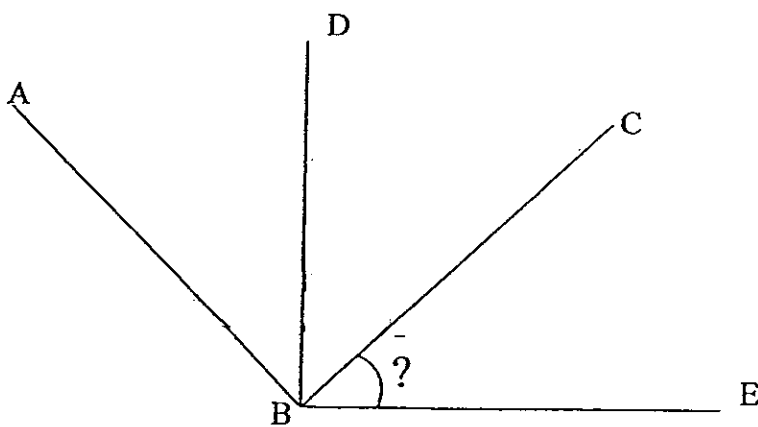
32. I am a 2-digit number. I am between 30 and 50.  
I am divisible by both 6 and 7. What number am I?

33. How many eighths are there in  $2\frac{1}{2}$  ?

34. What is the missing number in the pattern?

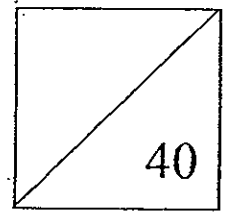
2, 3, 6, 18, \_\_\_\_\_, 1944

35. The figure below is not drawn to scale.  
 $\angle ABC$  and  $\angle DBE$  are right angles.  $\angle ABD = \angle CBD$ . Find  $\angle CBE$ .



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Section C ( 10 x 4 marks )

For questions 36 to 45, show your working clearly and write your answer in the space provided.

36. Yi Juan bought 10 boxes of pens. There were 125 pens in each box. She sold 1050 pens. How many pens were left?

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

37. Mrs Yang bought 4 silk blouses at \$49 each and 6 pieces of pants at \$36 each. How much did Mrs Yang pay in all?

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

38. Sarah bought some ribbon. She used 90 cm of it to wrap a present. She then gave  $\frac{1}{3}$  of the remaining ribbon to Brenda. She had 50 cm of ribbon left. How much ribbon did Sarah have at first?

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

39. Nurse Norah has a container of cough mixture and 3 empty bottles. After she filled each of the bottles with 350 ml of the cough mixture, she had 210 ml of it left in the container. How much cough mixture did the container hold at first? Give your answer in litres and ml.

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

40. Janet baked a pizza. She gave  $\frac{1}{8}$  of it to Carol and another  $\frac{1}{4}$  of it to Timmy. She kept the remainder for herself.

(a) How much more of the pizza did Timmy get than Carol?

(b) What fraction of the pizza did Janet keep for herself?

(Express your answer in the simplest form.)

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

(b) \_\_\_\_\_

41. Samy has \$240. He wants to buy a Playstation which costs \$740.

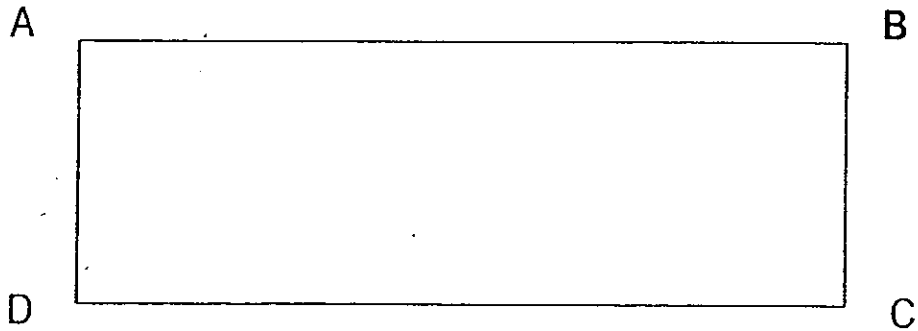
(a) How much more money would he need?

(b) If he saves \$100 a month, how many months does he need to save enough money to buy the Playstation?

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

(b) \_\_\_\_\_

42. The length of AD is  $\frac{1}{3}$  that of AB. The perimeter of the rectangle is 32 cm. Find the area of the rectangle.



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



43. Farmer Lim rears a total of 33 ducks and cows on his farm. The total number of legs is 110. How many cows are there on his farm?

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

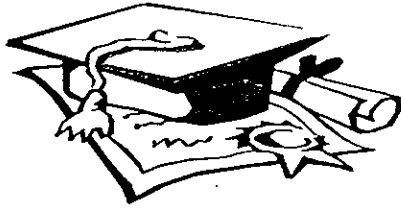
44. Tom has \$150. This is  $\frac{3}{5}$  of what Ali has.  
How much money does Ali have?

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

45. 2 mangoes cost as much as 5 apples. Chee Meng bought 3 mangoes and 5 apples for \$25.

- (a) How much did a mango cost?
- (b) How much did an apple cost??

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



# ANSWER SHEET

EXAM PAPER 2008

SCHOOL : TAO NAN PRIMARY SCHOOL

SUBJECT : PRIMARY 4 MATHEMATICS

TERM : SA 1

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

16)13460

17)1012

18)BA

19) $103^\circ$

20)66

21)  $\frac{1}{2}$

22)12

23)2

24)135

25)140

26)130

27)March to April

28)A

C

29) $\frac{9}{8}$

30)20348

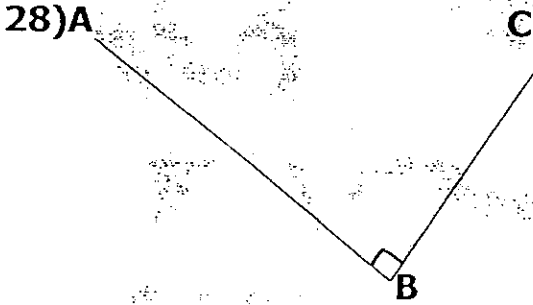
31)\$38

32)42

33)20

34)108

35) $45^\circ$



36)  $125 \times 10 = 1250$   
 $1250 - 1050 = 200$   
200 pens were left.

37)  $\$49 \times 4 = \$196$   
 $\$36 \times 6 = \$216$   
 $\$216 + \$196 = \$412$   
Mrs Yang paid \$412 in all

38) 2 units  $\rightarrow$  50cm  
1 unit  $\rightarrow$   $50\text{cm} \div 2 = 25\text{cm}$   
 $50\text{cm} + 25\text{cm} = 75\text{cm}$   
 $75\text{cm} + 90\text{cm} = 165\text{cm}$   
Sarah had 165cm of ribbon at first.

39)  $350 \times 3 = 1050$   
 $1050 + 210 = 1260$   
 $1260\text{ml} = 1\text{L}260\text{ml}$   
The container held 1L260ml at first.

40) a)  $1/4 = 2/8$   
 $2/8 - 1/8 = 1/8$   
Timmy got  $1/8$  more of the pizza than carol.  
b)  $5/8$   
She kept  $5/8$  of the pizza for herself.

41) a)  $740 - 240 = 500$   
He would need \$500 more.  
b)  $500 \div 100 = 5$   
He needs 5 months more.

42)  $32\text{cm} \div 8 = 4\text{cm}$   
 $4\text{cm} \times 3 = 12\text{cm}$   
 $12\text{cm} \times 4\text{cm} = 48\text{cm}^2$   
The area of the rectangle is  $48\text{cm}^2$

43) There are 22 cows on his farm.

44) 3 units  $\rightarrow$  \$150

1 unit  $\rightarrow$   $\$150 \div 3 = \$50$

$\$50 \times 5 = \$250$

Ali has \$250.

45) a) 25 units  $\rightarrow$  \$25

1 unit  $\rightarrow$   $\$25 \div 25 = \$1$

5 units  $\rightarrow$   $5 \times \$1 = \$5$

A mango costs \$5

b) 2 units  $\rightarrow$   $2 \times \$1 = \$2$

An apple costs \$2