# NAN HUA PRIMARY SCHOOL
## END-OF-YEAR EXAMINATION – 2005
## MATHEMATICS
## PRIMARY FOUR

Name: _____ _____ (      )          Marks: [ /100 ]

Class:  Primary 4 _____

Date: 27 October 2005

Duration:  1 h 45 min

## Section A (20 × 2 marks)
Questions 1 to 20 carry 2 marks each.
Of the 4 options given, only one is correct. Choose the correct answer (1, 2, 3 or 4) and write its number in the brackets provided.

1.    The digit 2 in 36 125 stands for _____.

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

2.    Divide the sum of 6 543 and 1 258 by 8. The remainder is _____.

    (1)   1
    (2)   0
    (3)   3
    (4)   5                     (          )

3.    Which one of the following is a common factor of 24 and 30?

    (1)   6
    (2)   8
    (3)   10
    (4)   4                     (          )

4.  Subtract 100 from 50 026. Round off the answer to the nearest hundred.

    (1)  49 900
    (2)  49 926
    (3)  49 930
    (4)  50 000                                                    (          )

5.  243 × 25 has the same value as _____.

    (1)  243 ×20 ×5
    (2)  (24 + 3) × 25
    (3)  (24 × 25) + (3 × 25)
    (4)  (243 × 20) + (243 × 5)                                    )

6.  Which one of the following is an equivalent fraction of $\frac{1}{3}$ ?

    (1)  $\frac{3}{12}$

    (2)  $\frac{4}{12}$

    (3)  $\frac{6}{12}$
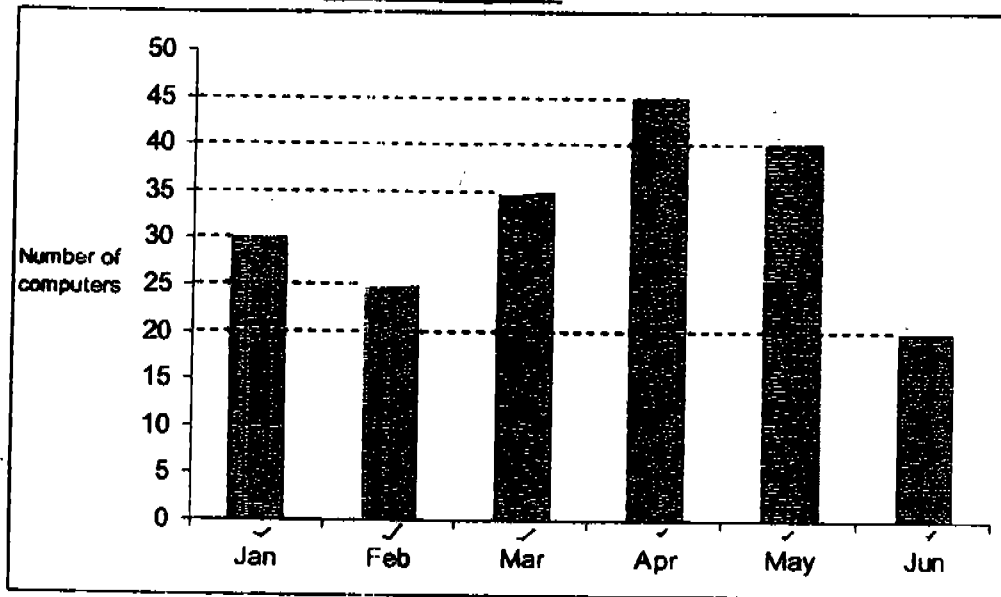
    (4)  $\frac{8}{12}$                                            (          )

7.  What is the sum of $\frac{1}{6}$ and $1\frac{1}{3}$ ?

    (1)  $1\frac{2}{9}$

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

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

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

20

The graph shows the number of computers sold by a company during the first half of a certain year. Study it and use it to answer questions 8 and 9

## Sale of Computers



8. How many computers were sold in March?

   (1) 25
   (2) 35
   (3) 40
   (4) 45                                                    (          )

9. Round off the total number of computer sold to the nearest tens.

   (1) 180
   (2) 190
   (3) 200
   (4) 210                                                   (    ·     )

10. Jane bought 4 pieces of ribbon. One piece was 7.3 m. The other three pieces were each 4.48 m long. Find the total length of the four pieces of ribbon.

   (1) 11.78 m ·
   (2) 20.74 m
   (3) 21.84 m
   (4) 24.74 m                                                (          )

11. A man bought 16 ℓ of fruit juice and poured it into some bottles. The capacity of each bottle is 400 mℓ. How many bottles of fruit juice did he have?

    (1)  25
    (2)  40
    (3)  400
    (4)  4                                              (        )

12. A piece of wire was 10 cm long. 5.16 cm was cut off. The remaining piece was then formed into a square. What was the length of each side of the square?

    (1)  1.21 cm
    (2)  2.42 cm
    (3)  3.63 cm
    (4)  4.48 cm                                        (        )

13. The breadth of a rectangle field is 30 m. Its length is three times its breadth. What is the area of the field?

    (1)  90 m$^2$
    (2)  240 m$^2$
    (3)  270 m$^2$
    (4)  2 700 m$^2$                                    (        )



6 cm

14. The figure above is made up of 3 equal squares of side 6 cm. Find the area of the shaded part of the figure.

    (1)  9 cm$^2$
    (2)  18 cm$^2$
    (3)  54 cm$^2$
    (4)  108 cm$^2$                                     (        )

15. Mr. Tan's monthly income is $2 086. If he spends $1 792 each month, how much can he save in 6 months?

    (1)   $49
    (2)   $1 764
    (3)   $1 864
    (4)   $7 764

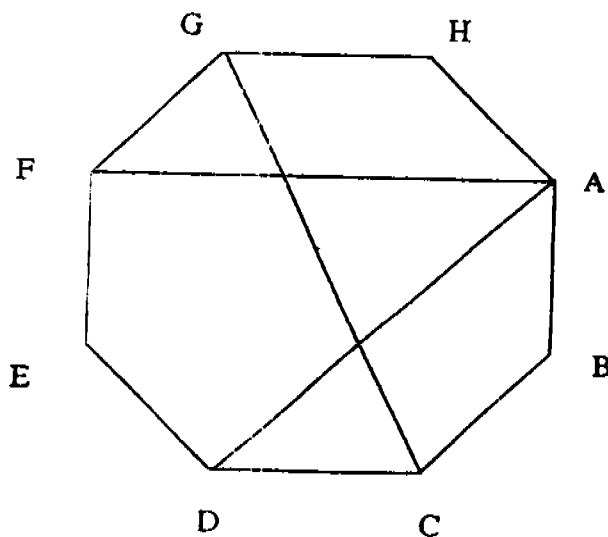                                                                          (             )

16. John spent $\frac{3}{8}$ of his money on a dictionary. If the dictionary cost $24, how much money did he have at first?

    (1)   $9
    (2)   $64
    (3)   $72
    (4)   $90

                                                                          (             )

17.



In the octagon above, which of the following lines is parallel to the line AF?

    (1)   FG and BC
    (2)   EF and AB
    (3)   CD and GH
    (4)   DE and AH

                                                                        (             )

5

23

18. How many right angles will the minute hand form when it moves from 7.15 am to 8.30 am?

    (1) 1
    (2) 5
    (3) 3
    (4) 4                                              (        )

19. $4\frac{5}{100}$ is the same as _____.

    (1) 0.45
    (2) 4.05
    (3) 4.50
    (4) 4.005                                          (        )

20. The product of 8 and a given number is 32.56. That number is _____.

    (1) 4.7
    (2) 4.07
    (3) 40.56
    (4) 260.48                                         (        )

Questions 21 to 40 carry 2 marks each.

Write out the correct answers for the following questions in the blanks provided.

Show your workings clearly and give your answers in the units provided.

21.  Find the value of 197 × 18.

_____ __

22.  Find the ~~reminder~~ remainder when 2 409 is divided by 9.

_____

23.  The difference between 4 225 and 5 232, when rounded off to the nearest tens is

_____.

_____ __

24.  Find the product of the fourth multiple of 7 and the ninth multiple of 12.

_____ __

25.  In $\dfrac{7}{8} = \dfrac{\square}{24}$, the missing numerator is _____.

_____ __

7

26. A bar of chocolate was shared among Alice, Betty and Cindy. Alice and Betty shared the same amount. Cindy's share is twice as much as Alice. What fraction of the bar did Betty get?

B ☐
A ☐
C ☐

_____  ____  __

27. Add $\dfrac{5}{8}$ to the difference between $4\dfrac{1}{2}$ and $\dfrac{7}{4}$. The answer, as an <u>improper</u> fraction is _____.

_____

28. If 3 kg 50 g is divided by 10, the answer is _____ g.

_  _____  ____ g

29. 11 pails of water are needed to fill half a water tank. If a pail can hold 1.25 ℓ of water, what is the amount of water in the tank if it is filled to the brim?

_____ ℓ

30. Mr. Lee cut a wire into 8 equal pieces. If the length of the wire was 60 m, how many metres long was each piece? Give your answer in metres and centimetres.

_____ m _____ cm

26

The graph below shows the number if absentees in the Primary 5 classes in a certain week. Study it and use it to answer questions 31 and 32.
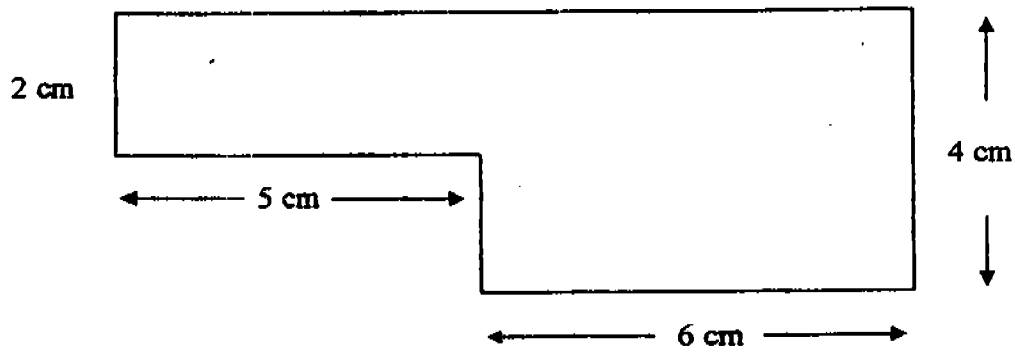
## Absentees in Primary Five
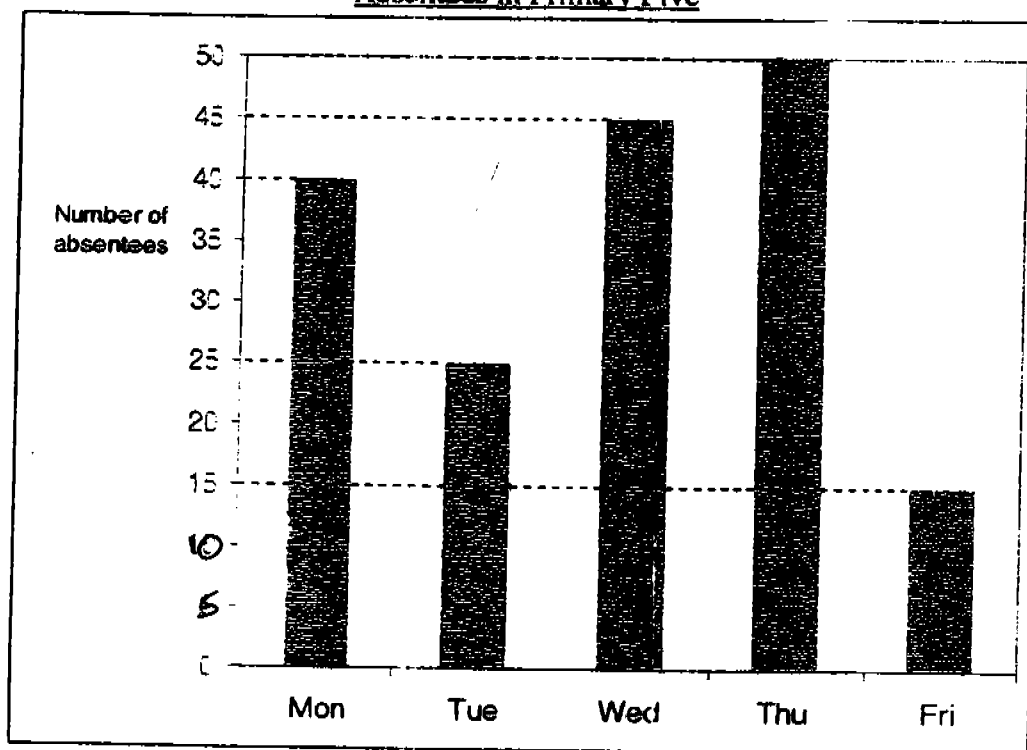


31. How many more absentees were there on Thursday than on Friday?

_____absentees

32. There are seven Primary 5 classes altogether. All classes have 40 pupils each except for one class which has 41 pupils. How many pupils were present on Monday?

_____ pupils

**33.**



2 cm

5 cm

4 cm

6 cm

The perimeter of the figure is _____.

_____ _____ cm

34. A piece of wire, 2 m 4 cm long, is cut into 7 parts. Four of the parts are used to
form a rectangle with a perimeter of 162 cm. The other three parts are used to
form a triangle. If all the sides of the triangle are equal, find the length of each
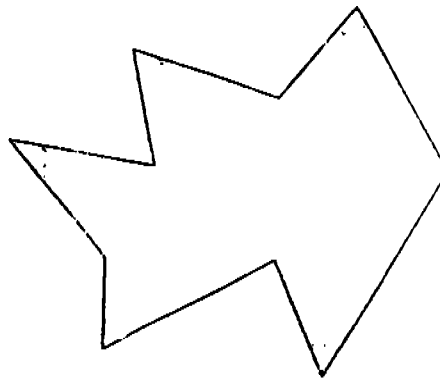side of the triangle.

_____ cm

35. A refrigerator costs 8 times as much as 2 vacuum cleaners. If the refrigerator costs $1400, how much do the refrigerator and the two vacuum cleaners cost altogether?

$_____

36. How many pair(s) of parallel lines does a trapezium have?

_____

37. How many angles inside this figure are less than a right angle?



_____ angles

38. $28.38 + \boxed{\phantom{xx}} = 42.6$. The missing number in the box is _____.

29

39. Round off each of the following to the nearest whole number:

(a) 16.48

(b) 27.64·

(a) _____ (b) _____

40. Find the value of $\dfrac{1}{2} + \dfrac{4}{5}$ + 2.75. Round off your answer to 1 decimal place.

_____

## Section C: Problem Sums (5 × 4 = 20 marks)

Do the following sums carefully. All statements and workings must be clearly shown. All units must be clearly stated.

41.    Jenny had $120. She spent $\frac{3}{8}$ of it on a pair of shoes and $35.00 on a skirt.

How much money had she left?    [4]

42.    Mark's father is three times his age. His mother is 4 years younger than his father. What is Mark's age now if his mother was 39 years old five years ago?

[4]

43. Mr Lim bought 98 boxes of apples. There were 36 apples in each box. He gave 28 apples to his friends and repacked the rest into bags of 5 apples each.

(a) How many bags of apples did he pack? [3]

(b) How much money did he collect if he sold each bag of apples for $3? [1]

44. Tom found that 3 full glasses of water were needed to fill up a jug completely. He then needed 4 such jugs to fill up a pail to the brim. The amount of water in the glass is 0.72 $\ell$ when it is full.

(a) How much water is needed to fill up the jug completely? [2]

(b) How much water is needed to fill up the pail completely? [2]

45. The figure below is made up of Square A and Rectangle B.
The perimeter of the whole figure shown is 52 cm.
Find the length of a side of Square A.                    [4]
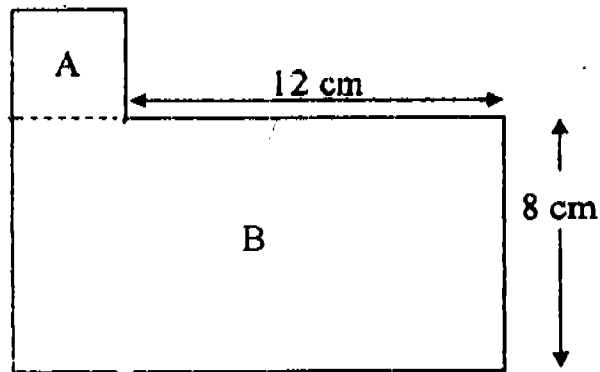


The End
Check your work carefully

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## MATHEMATICS    PRIMARY FOUR

✓ 1) ②

✓ 2) ①

3) 1

4) 1

5) 4

6) 2

7) 2

8) 2

9) 3

✓ 10 ②

11) 2

12) 1

✓ 13 ④

14) 3

15) 2

16) 2

17) 3

18) 2

19) 2

20) 2

21) 3546

22) 6

23) 1010

24) 3024

25) 2·1

26) $\frac{1}{4}$

27) $\frac{27}{8}$

28) 305

29) 27.5

30) 7m 50cm

31) 35

32) 241

33) 30

34) 14

35) 1575

36) 1

37) 5

38) 14.22

39) (a) 16      (b) 28

40) 4.1

41)

42)

43)

44)

45)

46)

47)

48)

49)

50)

51)

52)

53)

54)

55)

56)

57)

58)

59)

60)

41. $120 ÷ 8 = $15

Each unit is $15

$15 × 3 = $45

The pair of shoes cost $45

$45 + 35 = $80

$120 - $80 = $40

She had $40 left.

42. 39 + 5 = 44

His mother is 44 years old now

44 + 4 = 48

His father is 48 years old now

48 ÷ 3 = 16

Mark is 16 years old now.

43. (a) 700 Bag

(b) $3100.

44. a) 0.72 ℓ × 3 = 2.16 ℓ

2.16 ℓ is needed to fill up the jug completely.

b) 2.16 ℓ × 4 = 8.64 ℓ

8.64 ℓ is needed to fill up the pail completely.

(45) 3 cm.

— END —