SA1

TAO NAN SCHOOL
P5 MATHEMATICS MID-YEAR EXAMINATION 2004

Name: _____ ( ) Date: 12 May 2004

Class: Primary 5 ( ) Time: 1.25 p.m. – 3.40 p.m.

Parent's Signature : _____ _____ Marks: _____/ 100

Section A (25 marks)

Questions 1 to 5 carry 1 mark each. Questions 6 to 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 or 4). Shade the correct oval on the Optical Answer Sheet.

1) The value of the digit '9' in 492 612 is _____.

(1) 90 ones
(2) 90 tens
(3) 90 hundreds
(4) 90 thousands

2) Six million, eight hundred thousand and seventy-one when written in numerals is _____.

(1) 6 817 000
(2) 6 800 710
(3) 6 800 071
(4) 6 800 017

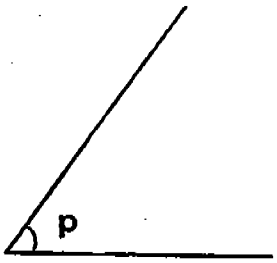
3) The product of 119 and 29 is _____.

(1) 1 309
(2) 2 938
(3) 3 351
(4) 3 451

4) Which of the following is **not** an equivalent ratio of 64 : 16 ?

(1) 8 : 2
(2) 16 : 4
(3) 16 : 8
(4) 32 : 8

5) Measure $\angle p$. It is about _____ °.



(1) 55
(2) 65
(3) 125
(4) 135

6) The best estimate of $2\,352 \div 55$ is _____.

(1) $2350 \div 60$
(2) $2400 \div 60$
(3) $2350 \div 50$
(4) $2400 \div 50$

7) $4\frac{3}{5}$ is the same as _____.

(1) $4 \times 3 \div 5$
(2) $4 \div 3 \times 5$
(3) $4 + 3 \times 5$
(4) $4 + 3 \div 5$

8) What is the quotient when 457 is divided by 23 ?

(1) 19
(2) 20
(3) 23
(4) 27

9) Express 55¢ as a fraction of \$3 .

(1) $\frac{6}{11}$

(2) $\frac{11}{6}$

(3) $\frac{60}{11}$

(4) $\frac{11}{60}$

10) The capacity of a tank is $\frac{5}{6}$ litre. What is the volume of the water in the tank when it is $\frac{3}{4}$ full ?

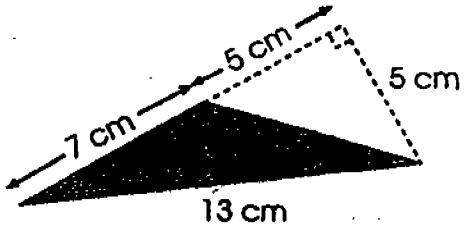
(1) $\frac{5}{8}\ \ell$

(2) $\frac{10}{9}\ \ell$

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

(4) $\frac{19}{12}\ \ell$

11) Find the area of the shaded triangle below.



(1) $12\frac{1}{2}$ cm²

(2) $17\frac{1}{2}$ cm²

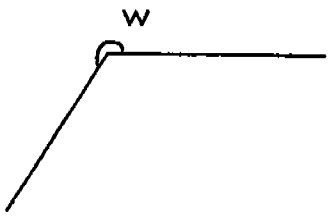
(3) 30 cm²

(4) 35 cm²

12) There were 16 girls and 36 boys in the library. Find the ratio of the number of girls to the number of boys in the library ?

(1) 4 : 9
(2) 8 : 9
(3) 9 : 8
(4) 9 : 4

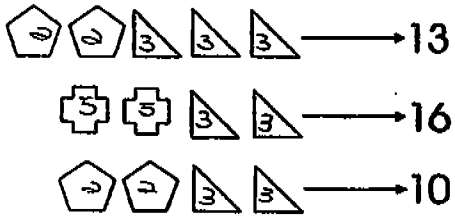
13) ∠ w is _____ .



(1) smaller than 90°
(2) greater than 270°
(3) between 90° and 180°
(4) between 180° and 270°

14) 84 stamps were shared equally between Nick and Ron. If Ron now has 125 stamps, how many stamps did he have at first ?

(1) 83
(2) 97
(3) 167
(4) 209

15) If  13
 16
 10

What does  represent ?

(1) 9
(2) 10
(3) 11
(4) 12

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Section B (20 marks)

Each question from 16 to 35 carries 1 mark. Write your answers in the spaces provided. Give your answers in the units provided.

16) Write 9 000 319 in words.

Ans: _____

_____

17) Find the value of 649 x 37.

Ans: _____

18) Find the value of 4 851 ÷ 49.

Ans: _____

19) What is the product of all the odd-numbered factors of 18 ?

Ans: _____

20) What fraction of 2 m is 40 cm ?
(Give your answer in the simplest form.)

Ans: _____

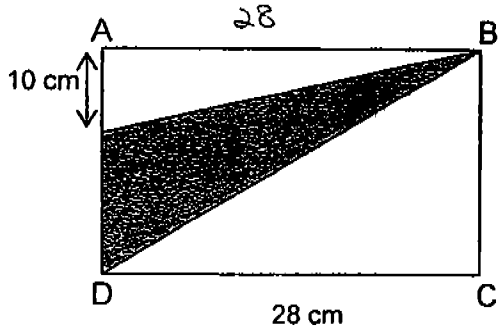
21) Find the value of $5\frac{2}{5} - 1\frac{7}{8}$. **(Leave your answer as a mixed number.)**

Ans: _____

22) How many twelfths are there in $3\frac{5}{12}$?

Ans: _____

23) The perimeter of rectangle ABCD is 102 cm. Find the shaded area of the rectangle ABCD.

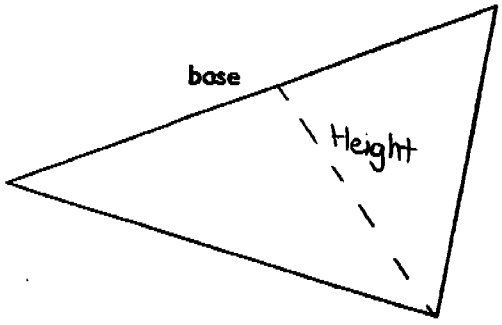


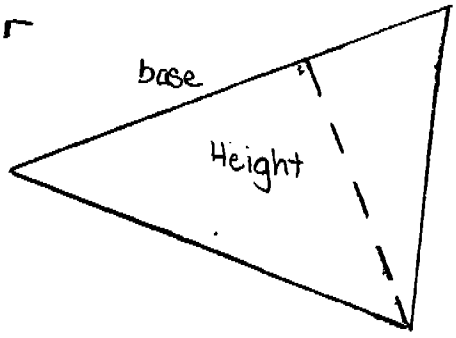
Ans: _____ cm^2

24) Round off 5 736 m to the nearest thousand metres .

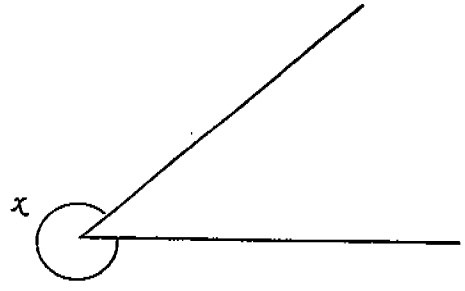
Ans: ____ _____m

25) Draw the height to the given base of the triangle shown below.





26) Measure and write down the size of $\angle x$.



Ans:_____ ___°

27) 595 709 is _____ less than 600 709 .

Ans: ____ _____

28) Mr Leong wanted to print 2500 cards. He had printed 6 boxes of cards. There were 240 cards in each box. How many more cards must he print ?

Ans: _____

29) Find the value of the following :

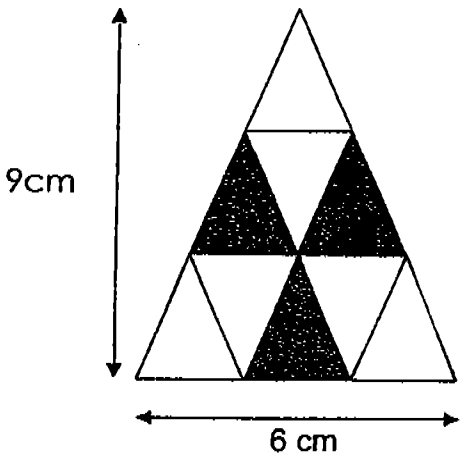
$169 + (15 \times 7) \div 5 \times 7 =$ _____

Ans: _____

30) $\frac{2}{3}$ of a cake was shared equally among 6 neighbours. What fraction of the cake did each neighbour get ?
(Give your answer in the simplest form.)

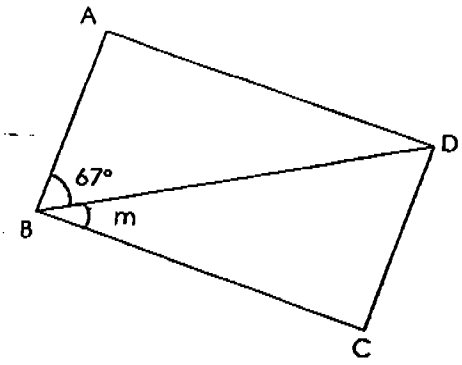
Ans: _____

31) The figure below is made up of identical triangles. Find the area of the shaded parts .



Ans: _____ cm^2

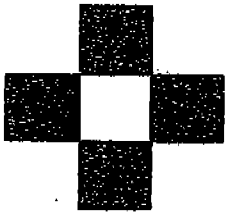
32) ABCD is a rectangle. Find $\angle m$.



Ans: _____°

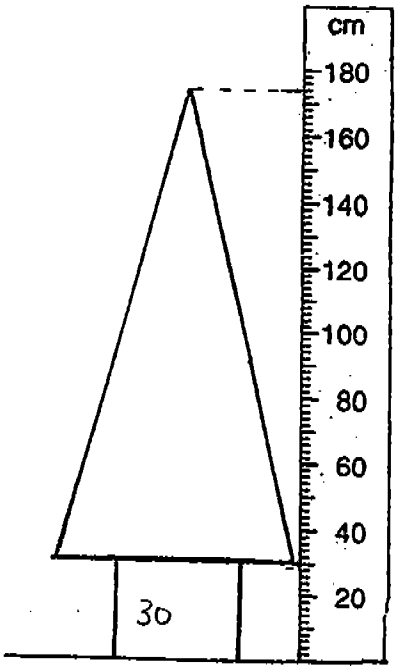
33) The figure below shows an incomplete rectangle. Some of its unshaded 1-cm squares are missing. $\frac{1}{5}$ of the rectangle is shaded.

What is the perimeter of the rectangle ?



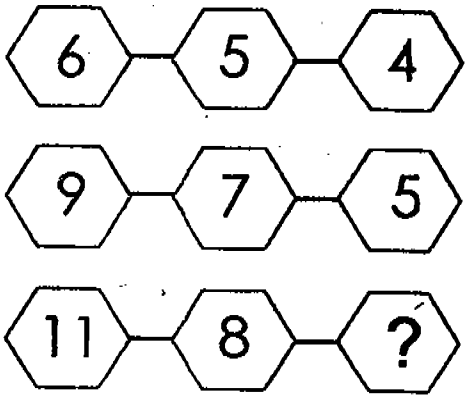
Ans: _____cm

34) The height of the triangle is _____ cm.



Ans: ___ _____cm

35) Find the missing number in the puzzle below.



Ans: _____

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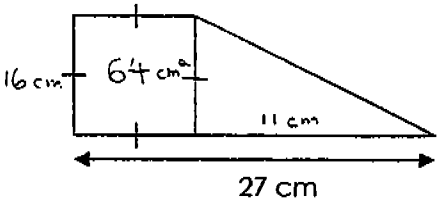
Section C (55 marks)

For questions 36 to 50, show your working clearly in the space below each question and write your answers in the spaces provided. The number of marks available is shown in the brackets at the end of each question or part-question.

36) Mdm Lee used $\frac{2}{5}$ kg of sugar to bake 8 apple pies. How many kilograms of sugar did she use to bake one apple pie? (Express your answer as a fraction in its lowest terms.)

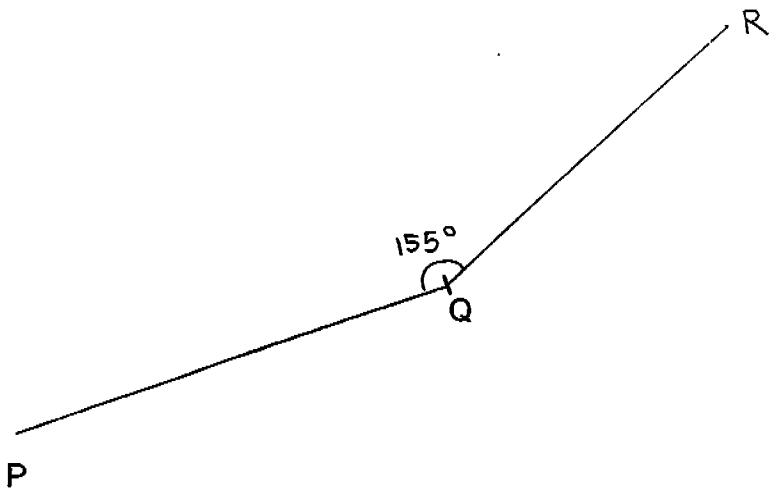
Ans: _____ (2m)

37) The figure below is made up of a square and a triangle. The square has an area of 64 cm². Find the area of the triangle.



Ans: _____ (2m)

38) $\angle PQR = 155°$. Draw and mark the angle. (2m)



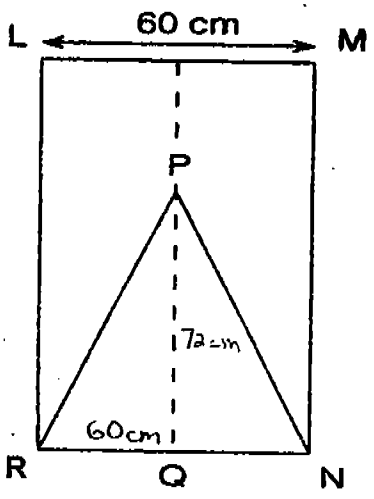
39) Stella paid $56 for an equal number of books and pens. Each book cost $5 while each pen cost $3 less than a book. How many pens did she buy?

Ans: _____ (3m)

40) Ahmad packed 360 identical files equally into 12 boxes. What was the least number of such boxes needed to pack 158 files ?

Ans: _____ (3m)

41) The area of Rectangle LMNR is 4 320 cm². PQ is $\frac{2}{3}$ of LR. Find the area of Triangle PNR.



Ans: _____ (3m)

42) Benjamin saved $\frac{5}{8}$ of his salary and gave $\frac{4}{5}$ of the remainder to his parents. Then he donated the rest. What fraction of his salary did he donate ?

Ans: _____ (3m)

43) Betty paid $156 for 2 skirts and 3 blouses. Each skirt cost 5 times as much as a blouse. Find the total cost of a skirt and a blouse.

Ans: _____ (4m)

44) Mr Lim had some apples. He sold $\frac{2}{5}$ of them in the morning and $\frac{1}{6}$ of the remainder in the afternoon. He sold 150 more apples in the morning than in the afternoon. How many apples had he left ?

Ans: _____ (4m)

45) Seller A and Seller B started their day with the same number of durians. After Seller A had sold 82 durians and Seller B had sold 198 durians, Seller A had 3 times as many durians left as Seller B. What was the total number of durians the two sellers started with at the beginning of the day ?

Ans: _____ (4m)

46) $\frac{2}{5}$ of the members in the Science Club is equal to $\frac{1}{7}$ of the members in the Art Club. The Art Club has 54 more members than the Science Club.

a) How many members are there in the Science Club?

b) $\frac{1}{4}$ of the members in the Art Club are P6 pupils, 37 are P4 pupils and the rest are P5 pupils. How many P5 pupils are there in the Art Club?

Ans: _____ (2m)

Ans: _____ _____ (3m)

47) Sammy had 4 stacks of fifty-cent coins. There were 8 coins in each stack. She exchanged all these coins for ten-cent coins. She then lined all the ten-cent coins side by side to form the perimeter of a square. Find the number of coins along one side of the square.

Ans: _____ _____ (5m)

48) The total length of two poles was 10 m. Pole A was 4 m longer than Pole B. After sawing off an equal length from each pole, the length of Pole B was $\frac{2}{5}$ that of Pole A. How many metres of Pole A was cut ?

Ans: _____ (5m)

49) Nicholas's age is $\frac{1}{9}$ of his uncle's. Twelve years ago, his uncle was 24 years old. In how many years' time will Nicholas's age be $\frac{3}{7}$ of his uncle's ?

Ans: _____ (5m)

50) Mr Mark has 455 notes in a cash box. There are 150 five-dollar notes and the rest are two-dollar and ten-dollar notes. The total amount of money is $1 728. How many ten-dollar notes are there in the box ?

Ans: ____ _____ (5m)

End-of-paper

S1Q7

TAO NAN SCHOOL
PRIMARY 5 MATHEMATICS
MID YEAR EXAMINATION 2004

1) 4

2) 3

3) 4

4) 3

5) 1

6) 2

7) 4

8) 1

9) 4

10) 1

11) 2

12) 1

13) 4

14) 1

15) 2

16) Nine million, three hundred and nineteen.

17) 24013

18) 99

19) 27

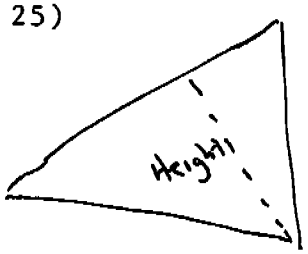
20) 1/5

21) 3 21/40

22) 41

23) 182

25)



26) 320

27) 5000

28) 1060

29) 316

30) 1/9

31) 9

32) 23

33) 18

34) 144 cm

35) 5

36) 1/20 kg

37) 76 cm^2

38)

39) 8

40) 6

41) 1440 cm^2

42) 3/40

43) $ 72

44) 250

45) 512

46) a) 30

b) 26

47) 41

48) 1/3 m

49) 20

50) 46