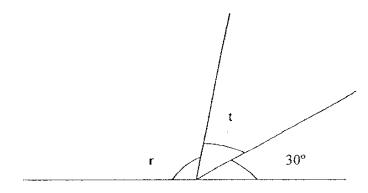
Tao Nan School Primary 5 End-Of-Year Mathematics Examination 2007

Name :()	Date: 26th October 2007
Class : P5 ()	Time: 8.00 a.m. – 10.15 a.m.
Parent's Signature :	Marks : / 100
SECTION A (20 marks) Questions 1 to 10 carry 1 mark each. Questions 11 each question, four options are given. One of them your choice (1, 2, 3 or 4). Shade the correct oval on	is the correct answer. Make
1) In 8 913 452, the digit 9 stands for	
(1) 9 000 (2) 90 000 (3) 900 000 (4) 9 000 000	
2) Find the value of 7000 X 90.	
(1) 160 000 (2) 790 000 (3) 630 000 (4) 970 000	
3) Which of the following is closest to 6 km?	
(1) 6.19 km (2) 5.91 km (3) 6.009 km (4) 5.908 km	

4)	Express 0.21 as a percentage.
	(1) 21%
	(2) 2.1%
	- (3) 0.21%
	(4) 0.021%
5)	The area of a rectangular field is 96 m ² . If the breadth is 8 m, find its length.
	(1) 88 m
	(2) 40 m
	(3) 20 m
	(4) 12 m
6)	Which of the following is not a property of a parallelogram?
	(1) There are two pairs of parallel lines.
	(2) The opposite sides are of equal length.
	(3) The sum of the interior angles is 270°
	(4) The opposite sides are parallel.
7)	$187 \times 77 = 187 \times \times 7.7$
	(1) 0.01
	(2) 0.1
	(3) 10
	(4) 100
8)	The average cost of 8 books is \$6.40. What is the total cost of the books?
	(1) \$0.80
	(2) \$1.60
	(3) \$14.40
	(4) \$51.20
	$_3 \gamma$

- 9) In a movie theatre, $\frac{5}{9}$ of the audience is men, $\frac{3}{4}$ of the remainder is women and the rest are children. What fraction of the audience is children?
 - (1) $\frac{4}{9}$
 - (2) $\frac{1}{3}$
 - (3) $\frac{1}{4}$
 - (4) $\frac{1}{9}$
- 10) There are 105 members in an art club. 60% of them are girls. How many boys are there?
 - (1)65
 - (2)45
 - (3)63
 - (4) 42
- 11) What is the value of $48 + (6 + 2 \times 3) \times 5$?
 - (1) 10
 - (2) 20
 - (3) 38
 - (4) 120

- In an egg farm, 5 out of every 45 eggs are spoilt. What is the ratio of the 12) number of good eggs to the number of bad eggs?
 - $(1) \cdot 1 : 9$
 - (2)9:1
 - (3) 1:8 (4) 8:1
- 13) $\ \angle r$ is twice that of $\angle t$. Find the value of $\angle r$.



- $(1) 50^{\circ}$
- (2) 75°
- $(3) 100^{\circ}$
- $(4) 150^{\circ}$

14) Which one of the following shapes can be tessellated?

(1)



(2)



(3)



(4)



15) Arrange the following fractions in ascending order.

$$\frac{6}{7}$$
, $\frac{11}{12}$, $\frac{3}{4}$, $\frac{14}{15}$

- (1) $\frac{3}{4}$, $\frac{6}{7}$, $\frac{11}{12}$, $\frac{14}{15}$
- (2) $\frac{3}{4}$, $\frac{11}{12}$, $\frac{6}{7}$, $\frac{14}{15}$
- (3) $\frac{14}{15}$, $\frac{11}{12}$, $\frac{6}{7}$, $\frac{3}{4}$
- (4) $\frac{11}{12}$, $\frac{6}{7}$, $\frac{3}{4}$, $\frac{14}{15}$

Name: _ Primary 5 (

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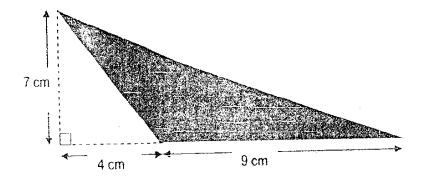
SECTION B (30 marks)

Questions 16 to 25 carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

What is the value of $28 - (4 + 4) + 2 \times 3$? 16)

Ans:		
rans.	 -	

The triangle below is not drawn to scale. The area is _____ cm². 17)



Anst ___

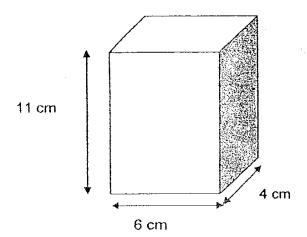
18) Find the product of 0.808 and 20.

	`
7	- }
ガ	1
	٠,

Ans: _____

19) Alice cut a pizza into 13 equal slices. She then divided the slices equally among 5 children. How many slices of pizza did each child get? Express your answer in the simplest form.

20) What is the volume of the container below?



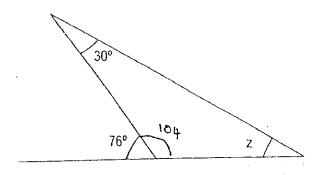
Ans: cm³

21) Find the average of these numbers: 4, 48, 66 and 102

38

Ans:

22) The figure below is not drawn to scale. Find $\angle z$.

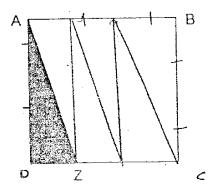


Ans: _____

23) Form the largest possible even number using the digits 1, 2, 7, 8 and 9.

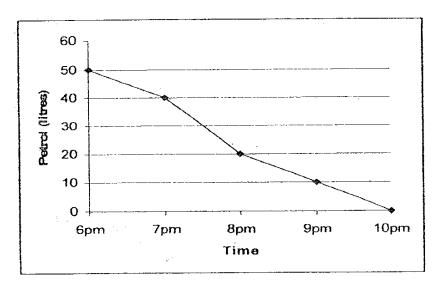
Ans:

24) ABCD is a square. The length of CD is 3 times that of ÇZ. What fraction of the square is shaded?



Ans:

25) The line graph below shows the amount of petrol in a car on a certain day. Study the graph and answer the question below.



From 6 to 7 pm, what is the amount of petrol used?

Ans:	

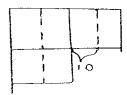
Questions 26 to 35 carry 2 marks each. Show your working clearly in the space below each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

26)	99 x 14	=	99 + 99	+ 99 +	+ 99 +		X	99
-----	---------	---	---------	--------	--------	--	---	----

The missing number in the blank is ______

Ans: _____

27) $\frac{3}{4}$ of a number is greater than $\frac{1}{2}$ of the number by 10. What is the number?



Ans:

28) Rachel is 3 times as old as Liyana. What is the ratio of Rachel's age to Liyana's age?

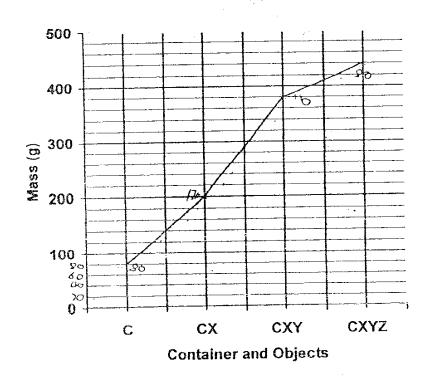
3:1

Ans: _____

29)	Halimah had 20 She then bought now 225. How n	some mo	re blu	је го	ses a	. 25% of the roses were and the total number of rosewer now?	blue. es is
						Ans:	
30)	The figure is mad A, B, C, D and E What fraction of	are identi	cal so	uare	S.	C, D , E and F.	
			F				
		A D	- C	D	E		
		A B.		.0		<u> </u>	
						Ans:	
31)	The time indicat hand has to mov					i. Find the angle that the ne is 3.55 a.m.?	ninute
4>	~					Ans:	o

32) A rectangular field has a perimeter of 96 m. The ratio of the length to the breadth is 5:3. Find the area of the field.

Study the graph below carefully and answer Question 33.



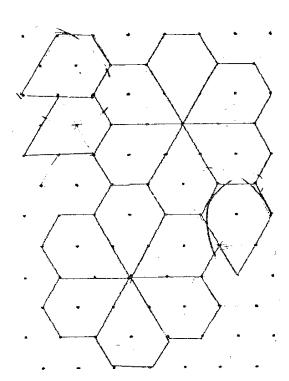
Three objects, X, Y and Z were placed in a Container C, one after another. The graph shows the mass of the container and objects. Name the object that is lighter than the container.

Ans: Object ______

34) The sum of P and Q is 128 while the sum of Q and R is 96. If the total sum of P, Q and R is 164, find the value of Q.

Ans:

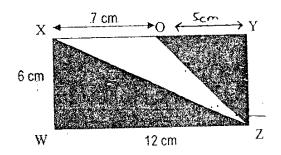
The pattern below shows part of a tessellation. Extend the tessellation by drawing 5 more unit shapes in the space provided.



Name Class	: Primary 5 ()		50	
For conduction of the conducti	TION C (50 marks) puestions 36 to 48, show your working clearly in the ion and write your answers in the spaces provided. number of marks available is shown in the brackets (ion or part-question.			
36)	A baking machine can bake 20 muffins in 10 minutes. long does this machine take to bake 48 muffins?	At this rate, I	now	
	Ans:		 _ (3m)	
37)	A book and 3 pens cost \$11.25°. The book cost twice Find the cost of 4 books.	e as much as	a pen.	45
	Ans:		(3m)	42

38)	If Premila withdraws \$150 from her savings account, she will have \$450 left. What fraction of her savings should she withdraw so that she will have \$75 left? (Express your answer in the simplest form.)
."	
	Ans: (3m)
39)	There are some pigs, cows and goats in a farm. The ratio of the number of pigs to the number of cows is 3:4. The ratio of the number of cows to the number of goats is 2:3. What is the ratio of the number of pigs to the total number of animals in the farm?
	Ans:(3m)

40) WXYZ is a rectangle. Find the area of the shaded part.



(3m)

Lily and Kumar had an equal number of marblés. After a game, Lily lost 20 of her marbles. Lily then had $\frac{1}{3}$ as many marbles as Kumar. How many marbles did each of them have at first?

Ans: (3m)

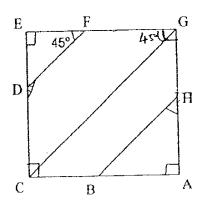
42)	A rectangular fish tank 80 cm long and 60 cm wide is filled with water from a tap which flows at a rate of 3t per minute. If the tap is turned off after 40 minutes, what is the height of the water level in the container? (1t = 1000 cm³)
	Ans: (4m)
43)	The ratio of Liling's money to Yingqi's money was 7 : 4 . When Liling gave \$100 to Yingqi, the ratio became 5 : 6 . How much money did Liling have at first?
LY	Ans: (4m)

ACEG is a square, not drawn to scale.

Lines DF, CG and BH are parallel lines. ∠ EFD is 45°.

Calculate (a) ∠ CDF

(b) ∠ AHB



Ans: a)	(2m)	LS
		H
b)	(2m)	

Kate has some stickers. If she gives her friends 7 stickers each, she will 45) have 3 stickers left. If she gives them 8 stickers each, she will be short of (a) How many friends does she have? (b) How many stickers does she have? 50

46) The table below shows the rates of charges for water consumption.

First 5 m ³	\$1.50 per m ³
Next 5 m ³	\$1.75 per m ³
Every additional 1 m ³ or part thereof	\$2.00 per m ³

- (a) In the month of June, Family A used 18 m³ of water. How much did Family A pay for their water bill?
- (b) Family A's water bill for July was \$48.25. How much water was used?

Ans: a)(2m)	
	5
b)(3m)	

- Kathy had some pocket money. From the pocket money, she spent \$35 on food and \$65 on transport. After that, she spent $\frac{2}{7}$ of the remaining money on 5 books. As for the rest of her money, she gave $\frac{2}{5}$ of it to her cousin and had \$75 left.
 - (a) How much did each book cost?
 - (b) How much money did she have at first?

Ans: a)	(3m)

(2m)

- There are some eggs in 3 baskets, A, B and C. 20% of the number of eggs in A is equal to 10% of the number of eggs in B.

 The number of eggs in C is equal to 50% of the total number of eggs in A and B.
 - (a) Express the number of eggs in C as a fraction of the number of eggs in B. (Leave your answer in its simplest form.)
 - (b) If half of the eggs in B are taken out and placed into C, there will be 50 eggs in C. How many eggs are there in the 3 baskets?

Ans: a) (2m) b) (3m)

Tao Nan Primary School

Primary 5 Maths SA2 Exam (2007)



Q1	Q2	Q3	Q4	Q5
3	3	3	11	4
O6	Q7	Q8	Q9	Q10
3	3	4	4	4
Q11	Q12	Q13	Q14	Q15
2	4	3	2	1

17.
$$31\frac{1}{2}$$

19.
$$2\frac{3}{5}$$

24.
$$\frac{1}{\epsilon}$$

30.
$$\frac{1}{15}$$

36.
$$20 \div 10 = 2$$
 $1 \text{min} \longrightarrow 2 \text{ muffins}$
 $48 \div 2 = 24$
It will take this machine 24 minutes.

37. 5 pens = \$11.25
\$11.25
$$\div$$
 5 = \$2.25
\$2.25 \div 2 = \$4.50
\$4.50 x 4 = \$18.00
The cost of 4 books is \$18.00

38.
$$450 + 150 = 600$$

 $600 - 75 = 525$
 $\frac{525}{600} = \frac{7}{8}$
She must draw $\frac{7}{8}$ of her savings.

40.
$$12 - 7 = 5$$

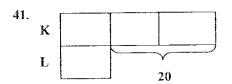
$$12 \times 6 = 72$$

$$\frac{1}{2} \times 6 \times 12 = 36$$

$$\frac{1}{2} \times 5 \times 6 = 15$$

$$36 + 14 = 51$$

The area of the shaded part is 51cm²



$$20 \div 2 = 10$$

 $10 \times 3 = 30$
Each of them had 30 marbles.

- 42. $80 \times 60 = 480$ $3000 \times 4 = 120000$ $120000 \div 4800 = 25$ The height is 25cm
- 43. $\$100 \longrightarrow 2$ $100 \div 2 = 50$ $50 \times 7 = 350$ Liling has \$350 at first

44a.
$$90^{\circ} + 45^{\circ} - 135^{\circ}$$

 $\angle CDF \text{ is } 135^{\circ}$

44b.
$$90^{\circ} - 45^{\circ} = 45^{\circ}$$

 $\angle AHB \text{ is } 45^{\circ}$

- 45a. 6 + 3 = 9She has 9 friends.
- 45b. $9 \times 7 = 63$ 63 + 3 = 66She has 6 stickers.

46a.
$$\$1.50 \times 5 = \$7.50$$

 $\$1.75 \times 5 = \8.75
 $18 - 10 = 8$
 $\$2.00 \times 8 = \16
 $\$16 + \$8.75 + \$7.50 = \32.25
Family A paid $\$32.25$

46.
$$$48.25 - $32.25 = $16$$

 $16 \div 2 = 8$
 $18 + 8 = 26$
 26cm^3 of water was used.

47a.
$$\frac{7}{7} - \frac{2}{7} = \frac{5}{7}$$
$$\frac{5}{5} - \frac{2}{5} = \frac{3}{5}$$
$$75 \div 3 = 25$$
$$125 = \frac{5}{7}$$
$$25 \times 2 = 50$$
$$50 \div 5 = 10$$

47b.
$$25 \times 7 = 175$$

 $175 + 65 = 240$
 $240 + 35 = 275$
She had \$275 at first.

Each book costs \$10

48a. The fraction is
$$\frac{3}{4}$$

48b.
$$20 \div 2 = 10$$

 $15 + 10 = 25$
 $50 \div 25 = 2$
 $2 \times 45 = 90$
There are 90 eggs