RED SWASTIKA SCHOOL

CA2

RED SWASTIKA SCHOOL

2004 CONTINUAL ASSESSMENT 2

MATHEMATICS

Name : _____ _____( )

Class : Primary 4 / _____

Date : 24 August 2004

PART 1

20 Questions
40 Marks
Duration of Paper : 1 hour 45 minutes

Note:

1. Do not open this Booklet until you are told to do so.
2. Questions 1 - 20 are to be done on the OAS provided.
3. Read carefully the instructions given at the beginning of each part of the Booklet.
4. Do not waste time. If a question is difficult for you, go on to the next one.
5. Check your answers thoroughly and make sure you attempt every question.

Part I: Multiple-Choice Questions

Questions 1 to 20 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 (1, 2, 3 or 4) on the Optical Response Sheet (ORS).

(40 marks)

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1. In the number, 79 653, the value of the digit 6 is _____.

   (1) 6
   (2) 60
   (3) 600
   (4) 6000

2. 1056 is ___30000___ less than 31 056.

   (1) 30×1
   (2) 30×10
   (3) 30×100
   (4) 30×1000

3. $320 + 640 = 30 \times$ _____ $\times 4$.

   (1) 8
   (2) 16
   (3) 32
   (4) 64

4. When 626 is divided by 4, the quotient is _____.

   (1) 155
   (2) 156
   (3) 157
   (4) 158

5. What is the sum of $\frac{1}{5}$ and $3\frac{1}{2}$?

   (1) $\frac{2}{7}$
   (2) $3\frac{2}{7}$
   (3) $3\frac{2}{10}$
   (4) $3\frac{7}{10}$

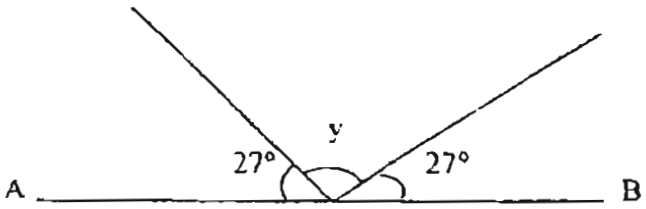
6. How many eighths are there in $2\frac{1}{2}$?

(1) 16
(2) 20
(3) 24
(4) 28

7. Jack had 45 marbles. He gave $\frac{1}{9}$ of the marbles to his brother and $\frac{4}{9}$ of the marbles to his friend. How many marbles did he have left?

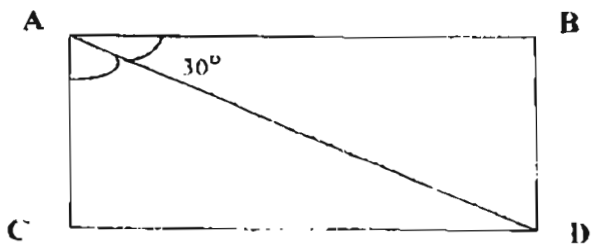
(1) 20
(2) 25
(3) 30
(4) 35

8. The figure below is not drawn to scale. AB is a straight line. Find $\angle y$.



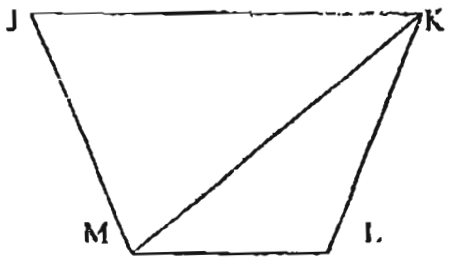
(1) 27°
(2) 54°
(3) 126°
(4) 153°

9. The rectangle ABCD shown below is not drawn to scale. $\angle BAD = 30°$.
Find $\angle DAC$.



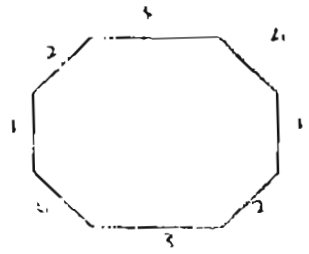
(1) 30°
(2) 60°
(3) 90°
(4) 120°

10. **The diagram below is made up of straight lines. Which of the following is <u>TRUE</u> about the diagram given?**



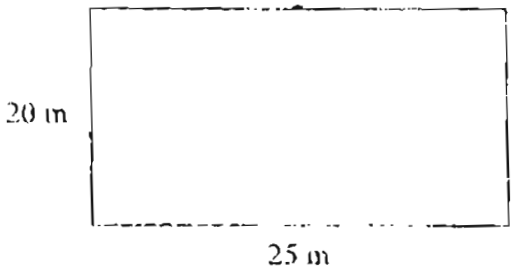
(1) JM // KL
(2) KL ⊥ LM
(3) MJ ⊥ JK
(4) JK // ML

11. How many pairs of parallel lines are there in the figure below?



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

12. A rectangular garden measures 25 m by 20 m. What is the cost of erecting a wooden fence around it if every 5 metres of wooden fencing cost $27?



(1) $486
(2) $500
(3) $2430
(4) $2700

13. **The length of the rectangle shown below is 3 times that of its breadth. If the perimeter of the rectangle is 40 cm, find the area.**

(1) 75 cm^2
(2) 100 cm^2
(3) 120 cm^2
(4) 160 cm^2

14. Mrs Smith took 1 h 15 min to sew a dress. She took another 20 min to sew buttons on each dress. How long would she take to sew 2 dresses with buttons?

(1) 2 h 30 min
(2) 2 h 50 min
(3) 3 h 10 min
(4) 3 h 30 min

15. In 48.129, the digit 1 is in the _____ place.

(1) ones
(2) tenths
(3) hundredths
(4) thousandths

16. Find the difference between 83.5 and 8.35 and round off your answer to 1 decimal place.

(1) 75.0
(2) 75.1
(3) 75.2
(4) 75.3

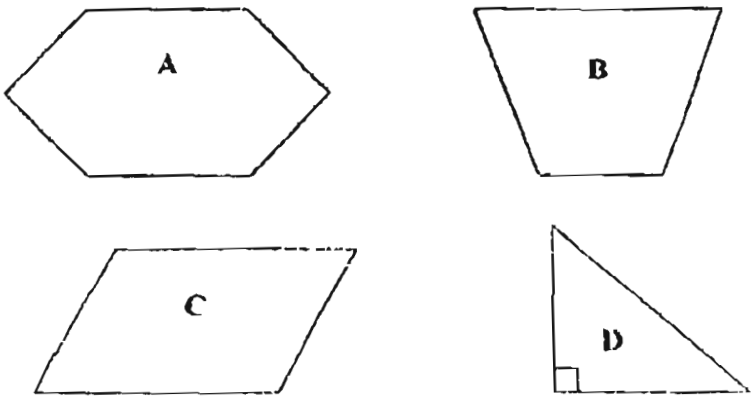
17. Which of the following set of numbers is arranged in **descending** order?

(1) 3.05, 3.5, 3.35, 3.56
(2) 62.92, 62.9, 62.89, 62.8
(3) 5.0, 5.03, 5.3, 5.33
(4) 44.04, 44.40, 44.44, 44.0

18. A plank is 4.68 m long. The carpenter sawed it into 4 equal pieces. Find the length of each piece.

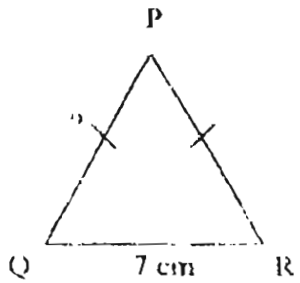
(1) 1.17 m
(2) 11.7 m
(3) 1.872 m
(4) 18.72 m

19. Which of the following figures shows a **parallelogram**?



(1) A
(2) B
(3) C
(4) D

20. Triangle PQR is an **isosceles** triangle and its perimeter is 27 cm. Find the length PQ.



(1) 9 cm
(2) 10 cm
(3) 19 cm
(4) 20 cm

RED SWASTIKA SCHOOL

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2004 CONTINUAL ASSESSMENT 2

MATHEMATICS

Name : _____ ( )

Class : Primary 4 / ____

Date : 24 August 2004

PART 2

25 Questions
60 marks

MARKS

	OBTAINED	POSSIBLE
PART 1		40
PART 2		60
TOTAL		100

Parent's Signature :

Part II: Short-Answer Questions

Questions Q1 to Q20 carry 2 marks each. Write your answers in the boxes provided. Give your answer in the units stated.

(40 marks)

Q1. Write the following in numerals:

6 ten thousands, 26 thousands, 9 hundreds, 3 tens and 4 ones.

Q2. Subtract the value of the digit 6 in 45 619 from the value of the digit 6 in 46 819. The answer is _____.

Q3. Find the product of 561 and 33. Round off your answer to the nearest hundred.

Q4. $1\frac{1}{5} + 2\frac{1}{2} = \frac{\square}{10}$

Fill in the missing number in the box.

Q5. Arrange these fractions in **increasing** order.

$\frac{2}{6}$, $\frac{1}{4}$, $\frac{7}{12}$, $\frac{1}{2}$

10

50

Q6. After using a certain amount of oil to fry chicken wings, Mrs Low had $\frac{1}{4}$ litre of oil left. If she had 1 litre of oil at first, how much oil did she use? (Give your answer in millilitres.)

ml

Q7. Find the difference between 7 and $\frac{3}{5}$.

The table below shows the number of marks scored by 5 pupils for Mathematics in two semestral assessments (SA) in their school.

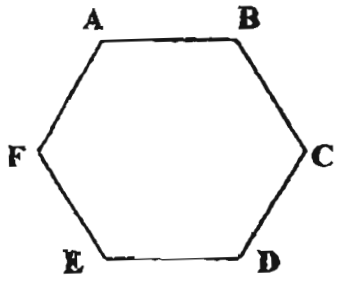
Study it carefully and answer questions 8 and 9.

Name of pupil	SA 1	SA 2
John	90	89
Sally	86	80
Anna	53	64
William	77	73
James	67	71

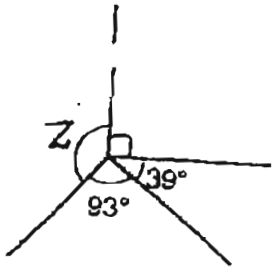
Q8. How many of the pupils scored higher marks in SA 2 than in SA 1?

Q9. What is the difference in the total marks scored by the 5 children in SA 1 and SA 2?

Q10. Look at the figure below. Name two pairs of parallel lines.



Q11. The figure below is not drawn to scale. Find $\angle z$.



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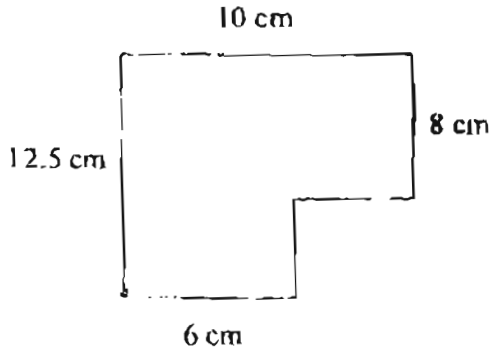
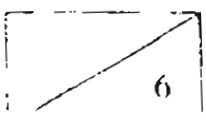
Q12. The figure below is not drawn to scale. What is the perimeter of the figure?



cm



Q13. A shopkeeper packs 20 kg 100 g sugar into 4 bags. What is the mass of sugar in each bag? Give your answer in grams.

_____ g

Q14. Tom had $35. He gave $12.75 to his brother. Then he spent the rest of the money on 5 identical pens. What is the cost of each pen?

$ _____

Q15. The sum of 10 tenths and 17 hundredths is _____. Give your answer in decimal.

_____

Q16. Find the product of 3.15 and 7. Round off your answer to the nearest tenth.

_____

Q17. The value of $\square \times 5 = 27.5$

The missing answer in the box is _____.

_____

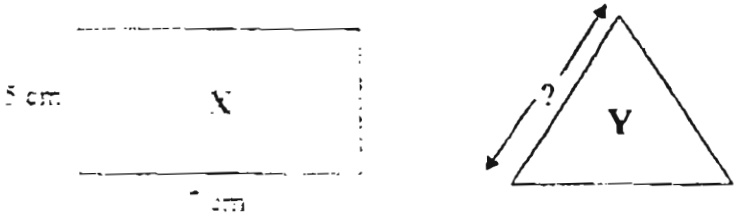
Q18. **Complete the number pattern below.**

$3\frac{3}{4}$, $3\frac{1}{2}$, _____, 3, $2\frac{3}{4}$

Q19. The total mass of a duck and a chicken is 8.45 kg. The chicken is 0.85 kg heavier than the duck. Find the mass of the chicken.

kg

Q20. A length of wire is used to form Rectangle X as shown below. The same length is used to form an equilateral Triangle Y. Find the length of one side of Triangle Y.



cm

Part II: Long-Answer Questions

Questions Q21 to Q25 carry 4 marks each. Show your working clearly below each question and write your answers in the spaces provided.

(20 marks)

Q21. During the Great Singapore Sale, Harry bought 3 pairs of shoes and 4 caps for $250. Each pair of shoes cost twice as much as 1 cap. What was the cost of each pair of shoes?

Q22. Mr Raju is a fruiterer and had 90 mangoes at his stall last week. He sold $\frac{2}{9}$ of the mangoes on Monday and $\frac{1}{6}$ of them on Tuesday. How many mangoes were **unsold**?

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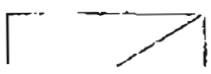
23. Jack had 70 marbles. He gave $\frac{1}{5}$ of the marbles to Andy and some of the remaining marbles to Sam. After giving to the two boys, Jack was left with $\frac{1}{2}$ as many marbles as Andy had. How many marbles did Sam receive?

Q24. The total mass of 5 bars of chocolate and a packet of sweets is 3 kg. If the packet of sweets has a mass of 0.5 kg,

(a) find the mass of 1 bar of chocolate in kg,

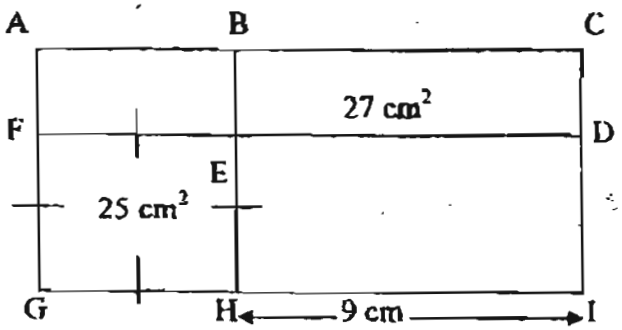
(b) find the total mass of 2 such packets of sweets.

(6)



56

25. The figure below, which is not drawn to scale, is divided into 4 parts. BCDE is a rectangle of area 27 cm^2. FEHG is a square of area 25 cm^2. Find the total area of rectangles **ABEF** and **EDIH**.



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CA2

RED SWASTIKA SCHOOL
2004 CONTINUAL ASSESSMENT 2
PRIMARY FOUR MATHEMATICS

Part I

1) 3
2) 4
3) 1
4) 2
5) 4
6) 2
7) 1
8) 3
9) 2
10) 4
11) 4
12) 1
13) 1
14) 3
15) 2
16) 3
17) 2
18) 1
19) 3
20) 2

Part II

1) 86934
2) 5400
3) 18500
4) 37
5) 1/4, 2/6, 1/3, 7/12
6) 750
7) 6.4
8) 2
9) 4
10) AC // FD
11) 138^{o}
12) 45 cm
13) 5025
14) $ 4.45
15) 1.17
16) 22.1
17) 5.5
18) 3 1/4
19) 4.65
20) 8
21) $ 50
22) 55 mangoes
23) 40 marbles
24) a) 0.5 kg b) 1 kg
25) 60 cm^2

XZNOX
58