Anglo-Chinese School (Junior)

CONTINUAL ASSESSMENT 2 (2017)
PRIMARY 5
MATHEMATICS

Wednesday   **23 August 2017**

Name: _____ (   ) Class: 5.(   ) Parent's Signature:_____

INSTRUCTIONS TO PUPILS

1   Do not turn over the pages until you are told to do so.

2   Follow all instructions carefully.

3   Answer ALL questions.

4   You are **not** allowed to use a calculator for this paper.

Section	Possible Marks	Marks Obtained
A	10	
B	15	
C	25	
Total	50	

This question paper consists of 14 printed pages (inclusive of cover page).

Optical Answer Sheet

1
2
3
4
5
6
7

Section A

Questions **1** to **4** carry 1 mark each. Questions **5** to **7** 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 Answer
Sheet (OAS). (10 marks)

1. Express $3\frac{1}{8}$ as a decimal correct to 2 decimal places.

    1)   3.08

    2)   3.12

    3)   3.13

    4)   3.18

2. Jacob has some red and blue marbles. $\frac{5}{7}$ of the marbles are blue. Given
    that he has 60 more blue marbles than red marbles, how many marbles
    does he have altogether?

    1) 84
    2) 140
    3) 150
    4) 210

2

Sub-Total :

3. Mrs. Wong had 2 kg of flour. She used 800 g to make pancakes. What percentage of flour was left?

1) 25 %
2) 40 %
3) 60 %
4) 75 %

4. The length of each side of a triangle is in the ratio 3 : 4 : 8. The length of the longest side is 24 cm. Find the perimeter of the triangle.
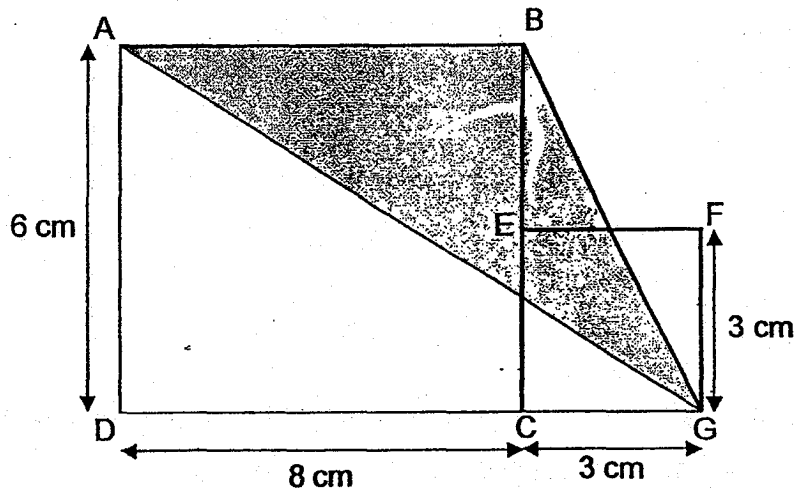
1) 36 cm
2) 45 cm
3) 90 cm
4) 120 cm

5. Susan scored an average of 70 marks for her three tests. Which of the following were her scores for the three tests?

1) 52, 90, 78
2) 55, 85, 60
3) 64, 92, 54
4) 76, 84, 60

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Sub-Total :

6. In the figure below, ABCD is a rectangle and CEFG is a square. Find the area of triangle ABG.

A   B

6 cm

E   F

3 cm

D   C   G

8 cm   3 cm

1) 9 cm²

2) 24 cm²

3) 33 cm²

4) 48 cm²

7. Mr. Sim bought the same number of pens and pencils. Each pencil cost $2. Each pen cost 3 times as much as a pencil. He spent $144 on the pens and pencils. How many pens and pencils did he buy altogether?

1) 18

2) 24

3) 36

4) 48

Sub-Total :

Section B

Questions **8** to **12** carry 1 mark each. Questions **13** to **17** carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.   (15 marks)

8.   Express 17 kg 55 g as a decimal in kilograms.

Ans : _____

9.   There were 145 455 visitors to a tourist attraction last year. Express this number to the nearest ten thousand.

Ans : _____

10.   A machine can make 500 fishballs in 1 minute. At this rate, how many fishballs can the machine make in 1 hour?
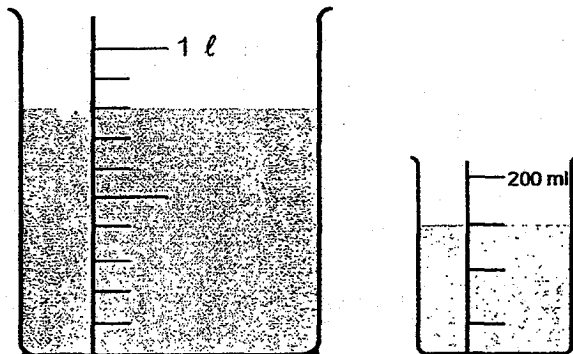
Ans :_____

5

Sub-Total :

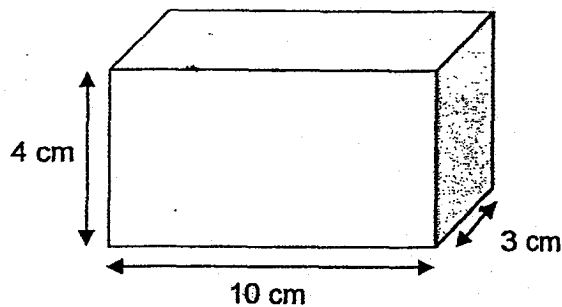11. When $\frac{1}{3}$ of a number is decreased by 25, the result is 15. What is the number?

Ans : _____

12. What is the total volume of water in the two containers?
Give your answer in litres.

Ans : _____ ℓ

Sub-Total :

13. There are fifty-five 1-cm cubes inside the box below. How many more 1-cm cubes can be put into the box to fill up the whole box completely?

4 cm

3 cm

10 cm

Ans : _____

14. The average amount of money James and Lucy have is $60. James has 4 times as much money as Lucy. How much more money does James have than Lucy?

Ans : $_____

Sub-Total :

15. Mariam had $180. She spent 25% of her money on a hat and 15% of her money on a pair of slippers. How much did Mariam spend on the two items?

Ans : $ _____

16. For every 2 rounds that Seng Kai ran round the track, Nazrin ran 3 rounds. Both boys ran a total of 40 rounds of the track. How many rounds of the track did Seng Kai run?

Ans : _____

17. The mass of a box and object A is 13 kg. The same box and object B weigh 25 kg. Object B weighs 3 times as heavy as object A. What is the mass of the box when empty?

Ans : _____ kg

8

Sub-Total :

Section C

For questions **18** to **24**, show your working clearly question and write your answers in the spaces provided. The number of marks available is shown in brackets [ ] at the end of each question or part-question. (25 marks)

18. Suresh rented a car for 5 days. He was charged $70.50 per day and $2 for every kilometre that he drove. He paid the car rental company $998.50 at the end of the 5 days. What was the distance he had travelled?

Ans : _____ [3]

19. The ratio of Henry's age to his mother's age is 1 : 3 this year. Six years ago, his mother was 36 years old. Find Henry's age this year.

Ans : _____ [3]

9

Sub-Total :

20. Figure 1 is a right-angled triangle with one of the side 4 cm. Figure 2 is made up of 4 such right-angled triangles and a square. Find the area of Figure 2.
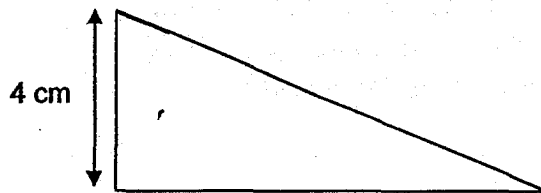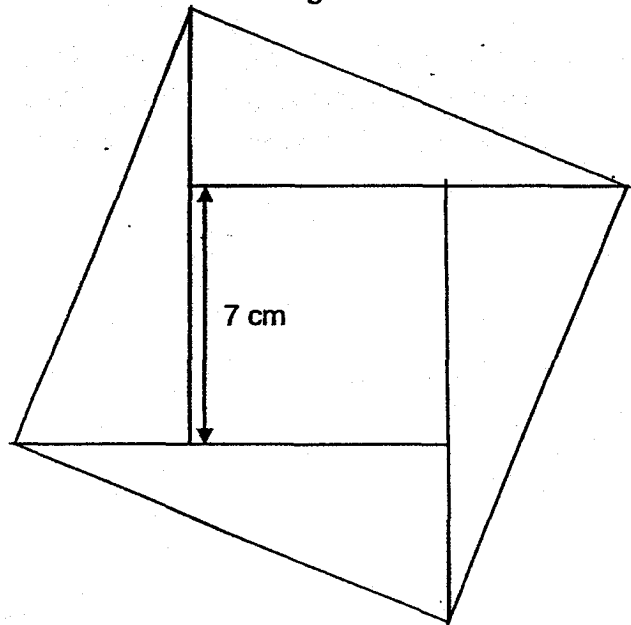
Figure 1

4 cm

Figure 2

7 cm

Ans:_____ [3]

Sub-Total :

21. A piece of rubber sheet is 6 cm thick. The piece of rubber sheet is folded so that the folded rubber sheet is twice as thick after each fold.

(a) Complete the table below.

Number of folds	Thickness of rubber sheet (in cm)
1	12
2	24
3	
4	

[2]

(b) What is the least number of folds before the folded rubber sheet is thicker than 1.9 m?

Ans :b) _____ [2]

11

Sub-Total :

22. Elliot had some money. He used $\frac{2}{5}$ of his money to buy a bag. He used $\frac{1}{6}$ of his remaining money to buy a wallet.

(a) What fraction of Elliot's money was used to buy the wallet?

(b) After that, his mother gave him $100. He then had $40 more than what he had at first. How much money did Elliot have at first?

Ans : a)_____ [1]

b) _____ [3]

Sub-Total :

23. Christine and Diane each had the same mass of flour for making cupcakes. The same mass of flour was used for each cupcake. Christine made 30 cupcakes and had 350 g of flour left. Diane made 10 cupcakes and had 1.15 kg of flour left.

(a) What was the mass of flour needed for each cupcake? Give your answer in grams.

(b) What was the total mass of flour Christine and Diane had at first?

Ans : a) _____ [2]

b) _____ [2]

13

Sub-Total :

24. Henry sold only beef pies and chicken pies at his shop. He sold 80 pies in the morning. 65% of them were chicken pies and the rest were beef pies.

   (a) How many beef pies did he sell in the morning?

   (b) Henry sold some more chicken pies in the afternoon. $\frac{4}{5}$ of all the pies sold in the morning and afternoon were chicken pies. How many chicken pies did Henry sell in the afternoon?

Ans : a)_____ [1]

b) _____ [3]

End of Paper

Sub-Total :

EXAM PAPER 2017 (P5)

SCHOOL : ACS

SUBJECT : MATHEMATICS

TERM : CA2

Q1	Q2	Q3	Q4	Q5	Q6	Q7			
3	2	3	2	3	2	3			

8)17.055 kg   9)150000   10)30000   11)120   12)0.95L

13)65   14)$72   15)$72   16)16   17)7kg

18)70.50 x 5 = 352.50

   998.50 – 352.50 = 646

   646 ÷ 2 = 323 km

19)36 + 6 = 42

   42 ÷ 3 = 14 years old

20)7 x 7 = 49

   ½ x 11 x 4 = 22

   22 x 4 = 88

   88 + 48 = 137cm2

21)a)48 , 96

   b)5 folds

22)a)1/10

   b)5u = 60

     1u = 12

     10u = 120

23)a)1150 − 350 = 800

     20u = 800

     1u = 800 ÷ 20 = 40g

   b)30 + 10 = 40

     40 x 40 = 1600

     1600 + 1150 = 2750

     2750 + 350 = 3100g

24)a)100 − 65 = 35

     80/1 x 35/100 = 280/10

     = 28/1

   b)1/5 →28

     4/5 →28 x 4 = 112

     112 − 52 = 60