Anglo-Chinese School (Junior)

SEMESTRAL ASSESSMENT 1 (2012)
PRIMARY 5

MATHEMATICS

PAPER 1
Booklet A

Thursday 10 May 2012 50 min

INSTRUCTIONS TO PUPILS

DO NOT TURN OVER THE PAGES UNTIL YOU ARE TOLD TO DO SO

Follow all instructions carefully.

There are 15 questions in this booklet.

Answer ALL questions.

You are not allowed to use a calculator.

Name : _____ ( )

Class : 5.( )

Parent's Signature: _____

This question paper consists of 5 printed pages. (Inclusive of cover page)

37

Questions **1** to **10** carry 1 mark each. Questions **11** 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 oval (1, 2, 3 or 4) on the Optical Answer Sheet. (20 marks)

---

1 Which of the following when rounded off to the nearest thousand is 25 000?

(1) 24 499
(2) 24 500
(3) 25 500
(4) 25 999

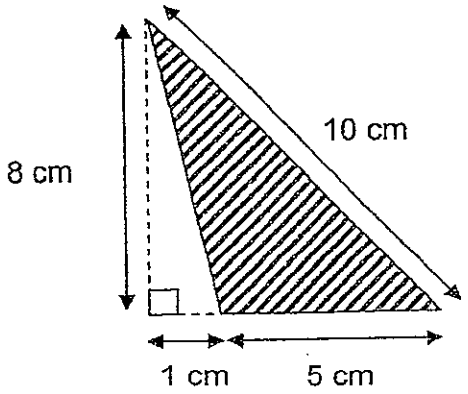
2 819 048 = 800 000 + _____ + 8

(1) 1 948
(2) 10 040
(3) 19 040
(4) 19 048

3 What is 7 ten thousands, 15 hundreds and 66 ones?

(1) 7 156
(2) 70 166
(3) 71 506
(4) 71 566

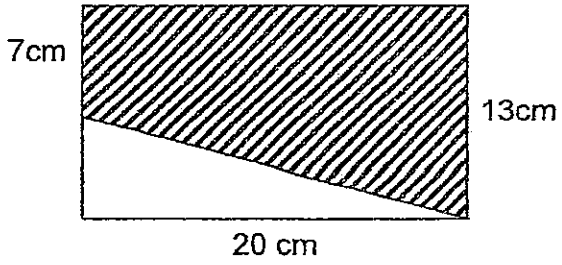
4 What is the area of the shaded triangle below?



(1) 20 cm^2
(2) 30 cm^2
(3) 40 cm^2
(4) 50 cm^2

39

5 Find the area of the shaded portion.



(1) 60 cm^2

(2) 140 cm^2

(3) 200 cm^2

(4) 260 cm^2

6 What is the missing number in the box?

3 : 23 = 12 : ?

(1) 15

(2) 32

(3) 35

(4) 92

7 There are 18 pencils, 9 rulers and 6 erasers in a box. What is the ratio of the number of pencils to the number of rulers to the number of erasers in the box?

(1) 2 : 1 : 6

(2) 2 : 3 : 6

(3) 9 : 3 : 1

(4) 6 : 3 : 2

8 Express $2\frac{3}{8}$ as a decimal.

(1) 0.238

(2) 0.237

(3) 2.307

(4) 2.375

9 What is the value of $\frac{5}{9} \div 10$?

(1) $\frac{1}{18}$

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

(3) $\frac{9}{50}$

(4) $\frac{50}{9}$

10 $9\frac{2}{3} = 9 + \square \div \frac{1}{4}$. What is the missing fraction in the box?

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

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

(3) $\frac{5}{6}$

(4) $\frac{5}{12}$

11 $15 \times 3 + \_\_\_\_\_ \times 3 = 50 \times 3$

(1) 15

(2) 20

(3) 35

(4) 50

12 What is the value of $10 \times (20 - 6 \div 2) + 4 \times 2$

(1) 78

(2) 148

(3) 170

(4) 178

41

13 Derrick and Eli share some beads in the ratio 11 : 7. They have the same number of beads after Derrick gives Eli 18 beads. How many beads do they have in all?

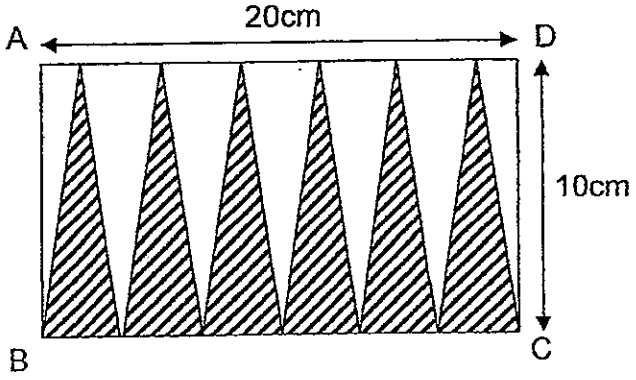
(1) 126

(2) 162

(3) 198

(4) 324

14 Given that the length and breadth of the rectangle ABCD is 20cm and 10cm respectively, find the area shaded.



(1) 100 cm^2

(2) 150 cm^2

(3) 200 cm^2

(4) 250 cm^2

15 There were 4 cakes. John ate $\frac{11}{12}$ of a cake. Tom ate $\frac{5}{6}$ of a cake. Mark ate $\frac{1}{3}$ of a cake. How much cake was left?

(1) $1\frac{11}{12}$

(2) $2\frac{1}{36}$

(3) $3\frac{5}{24}$

(4) $6\frac{1}{36}$

End of Booklet A

Anglo-Chinese School
(Junior)

SEMESTRAL ASSESSMENT 1 (2012)
PRIMARY 5

MATHEMATICS

PAPER 1
Booklet B

Thursday 10 May 2012 50 min

INSTRUCTIONS TO PUPILS

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Follow all instructions carefully.

There are 15 questions in this booklet.

Answer ALL questions.

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Name : _____ ( )

Class : 5.( )

Booklet	Possible Marks	Marks Obtained
A	20	
B	20	
TOTAL	40	

Parent's Signature: _____

This question paper consists of 6 printed pages. (Inclusive of cover page)

43

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. (10 marks)

16 Write nine million, seven hundred and three thousand and twelve in numerals.

Ans: _____

17 Find the product of all the factors of 15.

Ans: _____

18 Express 3.28 as a fraction in its simplest form.

Ans: _____

19 Arrange the following fractions from the smallest to the biggest.

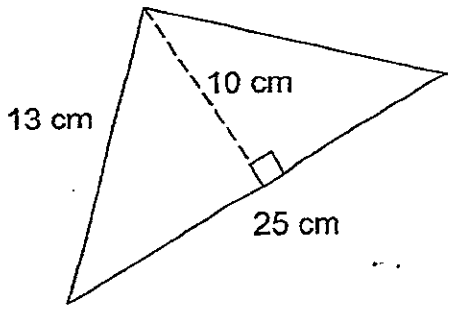
$\frac{5}{12}$, $\frac{5}{6}$, $\frac{1}{3}$, $\frac{3}{4}$

Ans: _____

45

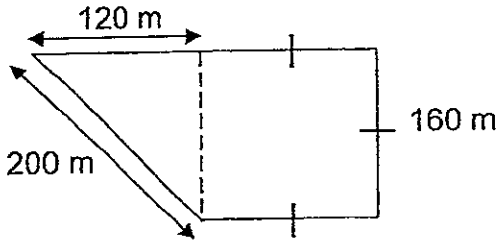
Sub-Total

20 Find the area of the triangle



Ans: _____ cm^2

21 The shape of a school field was made up of a triangle and a square. David ran along the perimeter of the field twice. What was the total distance he ran?



Ans: _____ m

22 In an office, the ratio of the number of workers who wear glasses to the total number of workers is 6:25. If there are 72 workers who wear glasses, how many workers are there?

Ans: _____

47

Sub-Total

23 Gavin had 52 storybooks and Ravi had 34 storybooks less than Gavin. Gavin then gave 10 of his storybooks to Ravi. What is the ratio of the number of storybooks Gavin had to the number of storybooks Ravi had in the end? Give your answer in the simplest form.

Ans: _____

24 Find the value of $6\frac{5}{6} - 2\frac{3}{4}$.

Ans: _____

25 In Justin's pencil case, $\frac{3}{5}$ of the pens are blue, $\frac{1}{4}$ of the pens are red and the rest are green. What fraction of the pens are green?

Ans: _____

Sub-Total

Question **26** to **30** 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. (10 marks)

26 The difference between 2 numbers is 156. If the larger number is 5 times as large as the smaller number, find the value of the larger number.

Ans: _____

27 David saved $198 in 3 days. For each day after the first, he saved $6 more than the day before. How much money did he save on the first day?

Ans: $_____

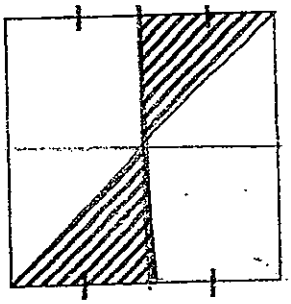
28 Jane uses 9 cm of string to make a bracelet. What is the maximum number of identical bracelets that Jane can make if she has a string 2 metres long?

Ans: _____

49

Sub-Total

29 What fraction of the square below is shaded?



Ans: _____

30 There were some passengers on a bus. At station A, $\frac{2}{5}$ of them alighted from the bus. If there were 42 passengers left on the bus, how many passengers were there on the bus at first?

Ans: _____

End of Booklet B

Sub-Total

Anglo-Chinese School
(Junior)

SEMESTRAL ASSESSMENT 1 (2012)
PRIMARY 5

MATHEMATICS

PAPER 2

Thursday 10 May 2012 1 h 40 min

INSTRUCTIONS TO PUPILS

DO NOT TURN OVER THE PAGES UNTIL YOU ARE TOLD TO DO SO

Follow all instructions carefully.

There are 18 questions in this booklet.

Answer ALL questions.

You are allowed to use a calculator.

Name : _____ ( )

Class : 5.( )

Paper	Possible Marks	Marks Obtained
1	40	
2	60	
TOTAL	100	

Parent's Signature:_____

This question paper consists of 15 printed pages. (Inclusive of cover page)

51

Questions 1 to 5 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. (10 marks)

---

1 Estimate the product of 1753 and 198 by first rounding off both the numbers to the nearest ten.

Ans: _____

2 Find the sum of 1 + 2 + 3 + 4 + ...+ 18 + 19 + 20

Ans: _____

Sub-Total

3 $\frac{3}{5}$ of the fruits in a basket are apples. $\frac{5}{6}$ of the apples are red and the rest are green. What fraction of the fruits are green apples?

Ans:_____

4 David and Keith shared some stickers in the ratio 2:5. Keith gave $\frac{2}{5}$ of his stickers to David. What was the new ratio of David's stickers to Keith's stickers?

Ans: _____

53

Sub-Total

5 Faris had $4\frac{2}{5}$ m of ribbon. He used $\frac{7}{10}$ m to tie a parcel and some ribbon to make flowers. He then had $1\frac{5}{8}$ m of ribbon left. What was the length of ribbon used to make flowers? (Give your answer as a mixed number in the simplest form.)

Ans: _____ m

Sub-Total

For questions 6 to 18, show your working clearly 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. (50 marks)

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6 The table below shows the cost for buffet meals at Restaurant XYZ.

	Weekdays		Weekends	
Meal	Adult	Child (Age 4 to 11)	Adult	Child (Age 4 to 11)
Lunch	S$46.00	S$28.00	S$50.00	S$32.00
Dinner	S$62.00	S$37.00	S$75.00	S$42.00

Mr Lim went for a weekday buffet dinner with his wife and four children aged 8, 10, 15 and 16. How much did Mr Lim pay in total for the dinner?

Ans: _____ [3]

7 James had a total of 161 pies and tarts. After he had sold half of the pies and 65 tarts, he had an equal number of pies and tarts left. Find the number of pies he had at first.

Ans: _____ [3]

Sub-Total

8 Max and Wilson had $71 altogether. Wilson and Janssen had a total of $108. Max had $\frac{3}{5}$ of the money that Janssen had. How much money did Wilson have?

Ans: _____ [3]

9 Alan and Benny had a total of 280 marbles. Alan had $\frac{3}{4}$ as many marbles as Benny. After Alan had given Benny some marbles, Alan had $\frac{1}{3}$ as many marbles as Benny. Find the number of marbles Alan gave Benny.

Ans: _____ [3]

Sub-Total

10 Seth bought some apples and oranges from the supermarket. The ratio of the number of apples to the number of oranges was 5 : 2. The total cost was $156. The cost of an apple was $2 and the cost of an orange was $1. If Seth paid $156 for the apples and oranges, how many apples did Seth buy?

Ans: _____ [3]

Sub-Total

11 Mr Wong bought 2 television sets and 2 laptops at a total cost of $5600. The cost of a television was $\frac{3}{4}$ the cost of a laptop.

a) What was the cost of one television set?

b) If Mr Wong bought 3 laptops and 1 television set, how much did he pay?

Ans: a) _____ [2]

Ans: b) _____ [2]

Sub-Total

12 During the last South-East Asian Games (SEA Games), Indonesia sent 180 athletes. Thailand sent $2\frac{1}{3}$ times as many athletes as Indonesia. At the SEA Games, the ratio of Thai athletes to Malaysian athletes was 5 : 7, and the ratio of Singaporean athletes to Malaysian athletes was 1 : 6.

(a) How many athletes did Thailand send to the SEA Games?

(b) How many athletes represented Singapore at the games?

Ans: a)_____ [2]

Ans: b)_____ [2]

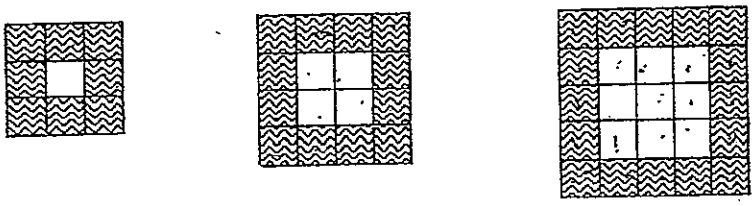
Sub-Total

13 Mrs Tan bought 42 apples. Each apple cost 75¢ less than a pear. She spent the same amount of money on 12 pears. How much did Mrs Tan spend on buying the apples?

Ans: _____ [4]

Sub-Total

14 A wall design is created using white and shaded tiles.



Pattern 1 Pattern 2 Pattern 3

a) How many shaded tiles are there in Pattern 9?

b) A pattern has 48 shaded tiles. How many white tiles are there?

Ans: a) _____ [2]

Ans: b) _____ [2]

Sub-Total

15 Borsche manufactures 3 cars daily while Percedes manufactures 2 more cars every day. Even though Percedes started production 12 days later than Borsche, Percedes has now produced 14 more cars than Borsche.

(a) How many cars did Borsche produce by Day 12?

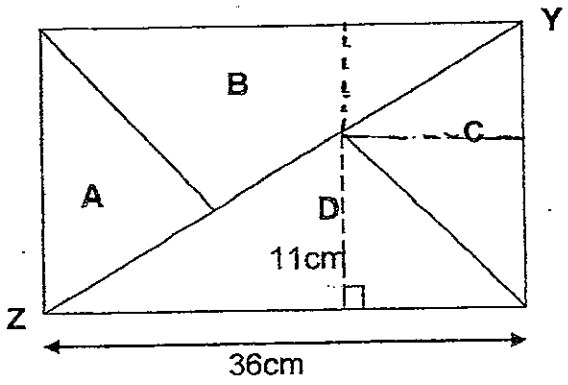
(b) How many days did Percedes take to produce 14 more cars than Borsche?

Ans: a) _____ [1]

Ans: b) _____ [4]

Sub-Total

16 The figure shows a rectangle which is divided into 4 parts A, B, C and D.



The line YZ divides the rectangle into 2 equal parts. The ratio of Area A to Area B is 2:3. The ratio of Area B to Area C is 4:3. Triangle D has a height of 11cm. What is the breadth of the rectangle?

Ans:_____ [4]

Sub-Total

17 In a stadium, the number of girls is equal to the number of men. There are 252 females altogether. $\frac{7}{9}$ of the children and $\frac{2}{3}$ of the adults are females.

(a) Find the number of girls.

(b) Find the difference in the number of children and adults.

Ans: a) _____ [1]

Ans: b) _____ [4]

Sub-Total

18 Yuzhang spent $\frac{5}{9}$ of his savings on a pair of shoes and 3 shirts. $\frac{3}{7}$ of the amount he spent was used to pay for the 3 shirts. A pair of shoes cost $25 more than the 3 shirts.

(a) Find the cost of 3 shirts.

(b) How much savings did Yuzhang have at first?

Ans: a) _____ [2]

Ans: b) _____ [3]

End of Paper

Sub-Total

ExamSutra 考试圣经

Answer Sheets

SCHOOL : ACS Primary School
SUBJECT : Primary 5 - Maths
TERM : SA 1

Order :

Paper 1

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
2	3	4	1	3	4	4	4	1	4	3	4	2	1	1

16 9703012
17 225
18 3 7/25
19 1/3, 5/12, 3/4, 5/6
20 125
21 1600
22 300
23 3:2
24 4 1/12
25 3/20
26 156 ÷ 4 = 39
39 x 5 = 195
27 198 - 6 - 6 - 6 = 180
180 ÷ 3 = $60
28 200 ÷ 9 = 22 r2
Ans = 22 Bracelet
29 1/4
30 3u > 42
5u > 70

Paper 2

1 1750 x 200 = 350000
2 210
3 1 - 5/6 = 1/6
1/6 x 3/5 = 1/10
4 4:3
5 4 2/5 - 7/10 - 1 5/8 = 2 3/40
6 62 + 62 + 37 +37 + 62 +62 = $322

EXAM PAPER 2012

SCHOOL : ACS Primary School
SUBJECT : Primary 5 - Maths
TERM : SA 1

Order :

7 3u > 161 - 65 = 96
2u > 64
8 2u > 108 - 71 = 37
3u > 55.50
71 - 55.50 = $15.50
9 3 + 4 = 7u
7u > 280
1u > 40
Alan > 120
Benny> 160
1 + 3 = 4
280 ÷ 4 = 70
120 - 70 = 50
10 5 x $2 + 2 x $1 = 12
$156 ÷ 12 = 13
13 x 5 = 65
11a 1u > 5600 ÷ 14 = $400
3u > $400 x 3 = $1200
11b $400 x 4 = $1600
$1600 x 3 = $4800
$4800 + $1200 = $6000
12a 180 x 2 = 360
180 ÷ 3 = 60
360 + 60 = 420
12b 1u > 420 ÷ 5 = 84
7u > 588
588 ÷ 6 = 98
13 p = a + $0.75
12p = 42a
p = 42/12 a
42/12 a = a + $0.75
a = $0.30
42 x 0.30 = $12.60
14a 40
14b 121
15a 12 x 3 = 36
15b 36 ÷ 2 = 18
14 ÷ 2 = 7
18 + 7 = 25
16 Area of D = 1/2 x 36 x 11 = 198
A:B:C = 8:12:9

EXAM PAPER 2012

SCHOOL : ACS Primary School
SUBJECT : Primary 5 - Maths
TERM : SA 1

Order :

8u + 12u = 9u + 198
1u = 18
Total Area = 18 x (8 + 12 + 9) + 198
= 720
720 ÷ 36 = 20cm

17a 2/3 a + 7/9 c = 252
7/9 c = 1/3 a
c = 108
7/9 x 108 = 84

17b 7/9 x 108 = 1/3 a
a = 252
252 - 108 = 144

18a 1 pair of shoes > 4u
1u > $25
3u > $25 x 3 = $75

18b 3/7 of amount spent = $75
Total amount spent = $175
5/9 of savings = $175
Total savings = $315