

Anglo-Chinese School
(Junior)



SEMESTRAL ASSESSMENT 2 (2008)
PRIMARY 3

MATHEMATICS
BOOKLET A

Tuesday 14 October 2008

1 h 45 min

INSTRUCTIONS TO PUPILS

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

Follow all instructions carefully.

There are 20 questions in this booklet.

Answer ALL questions.

Name: ()

Class:

Parent's Signature : _____

This question paper consists of 7 printed pages. (Inclusive of cover page)

Section A (20 × 2 marks each)

For each of the following questions, four options are given. Choose the correct answer (1, 2, 3 or 4) and shade the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet (OAS).

1. 8904 has the same value as _____.

- (1) $890 + 4$
- (2) $89 + 100 + 4$
- (3) $800 + 900 + 4$
- (4) $8000 + 900 + 4$

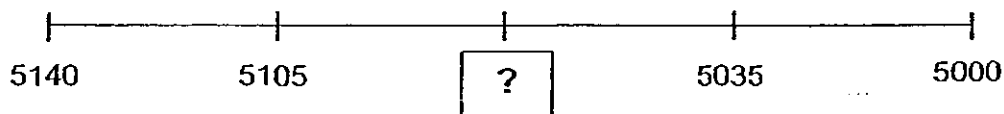
2. Which digit is in the hundreds place when 3598 and 3620 are added together?

- (1) 1
- (2) 2
- (3) 7
- (4) 8

3. Find the difference between the greatest and the smallest 4-digit number formed by the digits 0, 1, 6, 2. (Do not start with '0')

- (1) 351
- (2) 459
- (3) 4014
- (4) 5184

4. What is the missing number on the number line?



- (1) 5070
- (2) 5080
- (3) 5095
- (4) 5100

5. Jake was supposed to multiply a number by 7 but he divided it by 7 instead. He obtained 35. What should be the correct answer?

- (1) 49
- (2) 84
- (3) 245
- (4) 1715

6. $\text{♪} \times 6 = \text{♩}$

$\text{♩} \times 8 = 816$

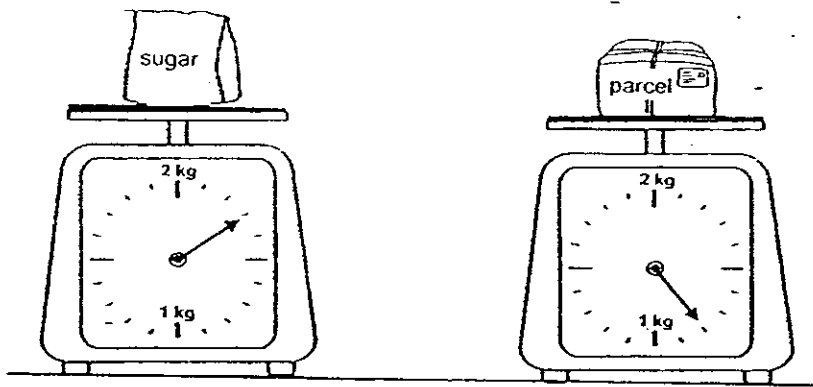
What number does ♪ represent?

- (1) 17
 - (2) 48
 - (3) 102
 - (4) 136
7. Marilyn wanted to use 2 different kinds of fruits for her salad. She has apples, strawberries and mangoes. How many ways could she choose the 2 different fruits?
- (1) 1
 - (2) 2
 - (3) 3
 - (4) 4
8. Jim wants to buy a pair of shoes. He has 5 five-dollar notes and a ten-dollar note but he is still short of 7 two-dollar notes. How much does the pair of shoes cost?
- (1) \$21
 - (2) \$34
 - (3) \$49
 - (4) \$125

9. Mrs Li bakes 504 pies. She puts them equally into boxes of 7 pies each. If she sells each box for \$6, how much money will she collect when all the pies are sold?

- (1) \$42
- (2) \$72
- (3) \$432
- (4) \$3024

10. What is the difference in the mass between the packet of sugar and the parcel?



- (1) 600 g
- (2) 800 g
- (3) 300 g
- (4) 500 g

11. 10 bottles of water are needed to fill up a pail and 3 cups of water are needed to fill up a bottle. If the pail has a capacity of 30 l, what is the capacity of the cup?

- (1) 10 ml
- (2) 100 ml
- (3) 1000 ml
- (4) 3000 ml

12. A toymaker makes some toys for sale.

tops	♥ ♥ ♥
guns	♥ ♥
cars	♥ ♥ ♥ ♥ ♥
balls	♥ ♥ ♥ ♥
	Each ♥ stands for 7 units

Which of the following statement is false?

- (1) 98 toys are made altogether.
 - (2) There are 7 more tops than balls.
 - (3) There are 21 more cars than guns.
 - (4) There are twice as many balls as guns.
13. A piece of rope, 240 m long, is cut into 3 pieces. Two of them are equal in length and the third piece is 86 m long. What is the length of one of the equal pieces?
- (1) 77 m
 - (2) 80 m
 - (3) 154 m
 - (4) 326 m
14. A ribbon of length 2 m has to be cut into a few smaller pieces of ribbon each measuring 45 cm. How many equal pieces of ribbon can be cut from it?
- (1) 5
 - (2) 2
 - (3) 3
 - (4) 4
15. Nelly bakes 4 cakes in 2 hours. How much time does she take to bake 9 cakes?
- (1) 120 minutes
 - (2) 270 minutes
 - (3) 480 minutes
 - (4) 1080 minutes

16. Which of the following fractions is greater than $\frac{1}{2}$?

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

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

(3) $\frac{3}{10}$

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

17. Which fraction is equivalent to $\frac{6}{10}$?

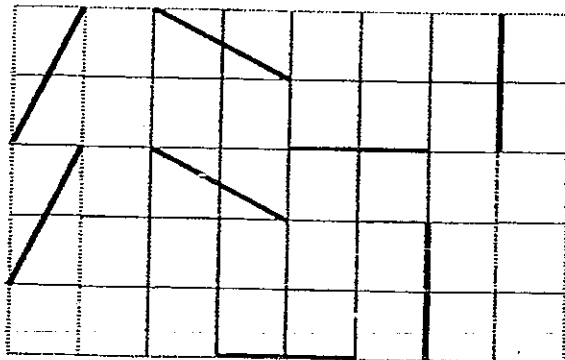
(1) $\frac{2}{5}$

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

(3) $\frac{3}{10}$

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

18. How many pairs of parallel lines are there?

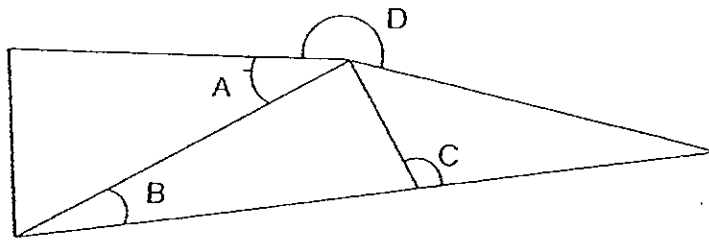


- (1) 1
- (2) 2
- (3) 3
- (4) 4

19. Two boys are painting a fence. If each boy paints 3 m of the fence each day, how long is the fence if both boys take 54 days to paint the whole length of the fence?

- (1) 9 m
- (2) 18 m
- (3) 162 m
- (4) 324 m

20.



Which of the angles above are greater than a right angle?

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

END OF BOOKLET A

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SEMESTRAL ASSESSMENT 2 (2008)
PRIMARY 3

MATHEMATICS
BOOKLET B

Tuesday 14 October 2008

1 h 45 min

INSTRUCTIONS TO PUPILS

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

Follow all instructions carefully.

There are 25 questions in this booklet.

Answer ALL questions.

Name: ()

Class:

Booklet	Possible Marks	Marks Obtained
A	40	
B	60	
TOTAL	100	

Parent's Signature : _____

This question paper consists of 9 printed pages. (Inclusive of cover page)

Section B (20 × 2 marks each)

For each question, write your answer in the box provided. Give your answer in the units stated.

21. Study the pattern below carefully. From the pattern, how many squares will there be in figure 4?

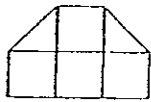


Fig 1

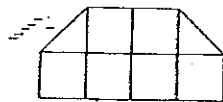


Fig 2



Fig 3

?

Fig 4

22. A number when divided by 8 gives a quotient of 49 with a remainder of 2. What is the number?

23. When 617 is divided by 6, the remainder is the same as $2 + \odot$. What does \odot represent?

24. Four boys spent a total of \$8 on video games. Each of them spent an equal amount of money. How many games did each boy play if one game cost 50 cents?

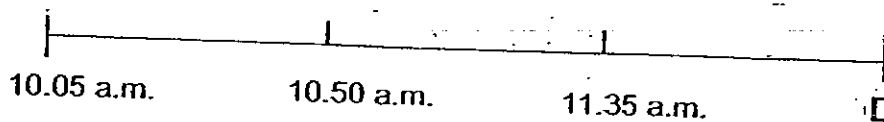
25. Abel is 179 cm tall. Ben is 25 cm shorter than Abel. Muthu is 54 cm shorter than Ben. How tall is Muthu?

26. Mr Wang sold 95 strawberry tarts. He sold 15 fewer chocolate tarts. He also sold thrice as many fruit cakes as chocolate tarts. How many fruit cakes did he sell?

27. Zarina had \$28 left after buying 1 kg of prawns. How much money did she have at first if 100 g of prawns cost \$2?

28. Mrs Lim bought 2 ties and 3 belts for \$61. If a tie and a belt cost \$23, how much did she pay for a belt?

29. Look at the time line. What would be the time at D?

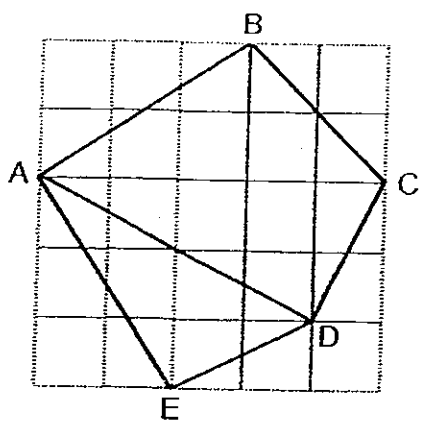


30. A mountain climber drinks a bottle of water every 45 minutes on a hike. How many bottles of water should the mountain climber bring on a hike that lasts 2 hours and 15 minutes?

31. Subtract $\frac{7}{12}$ from $\frac{3}{4}$. Give your answer in its simplest form.

32. Gary, Rick and Alvin shared a cake. Gary ate $\frac{1}{2}$ of the cake and Rick ate $\frac{1}{10}$ of the cake. The rest was eaten by Alvin. What fraction of the cake did Alvin eat?

33. Look at the figure shown below. Which line is perpendicular to AB?



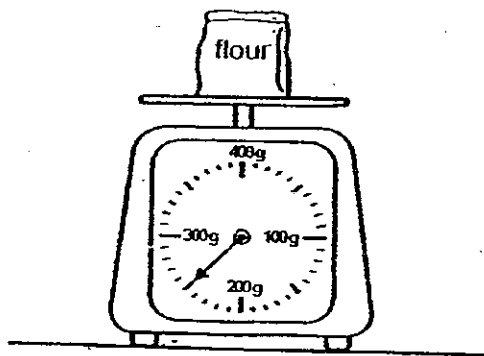
34. Gerry took 2 hours 45 minutes to paint 2 walls. He started painting the first wall at 1.15 p.m. and finished it at 2.30 p.m. How long did he take to paint the second wall?

35. Joe planted 4 seeds on the first day, 8 seeds on the second day, 12 seeds on the third day and so on. How many seeds would she plant on the sixth day?

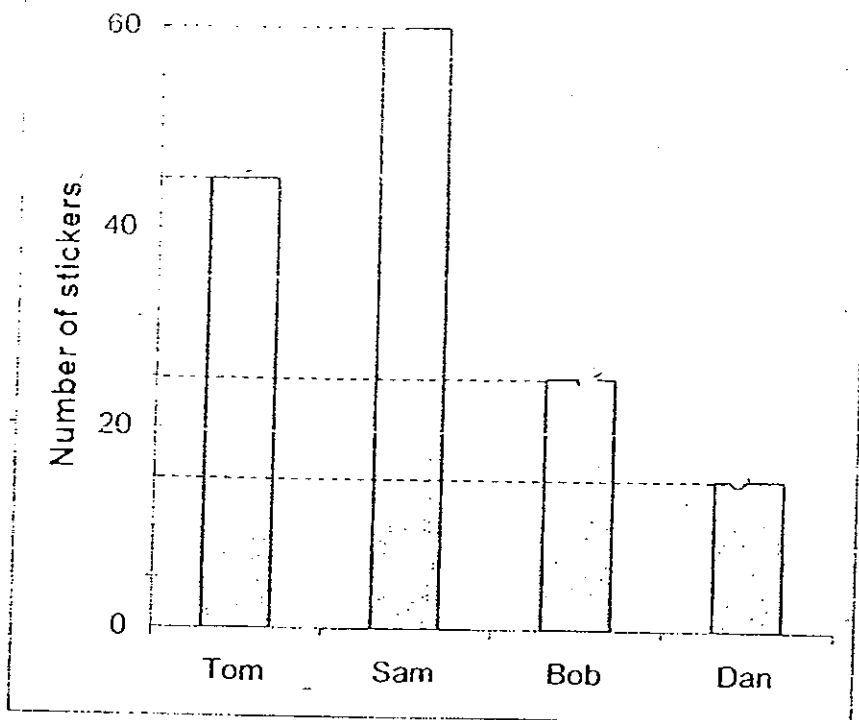
36. The total height of Adam and Tim is 415 cm. If Adam is 35 cm taller than Tim, how tall is Tim?

37. A jug is half filled with syrup. If another 2 litres of syrup is poured into the jug, 450 ml of syrup flowed out from the jug. What is the capacity of the jug?

38. A packet of flour has a mass as shown below. If Jack needs 1 kg of flour, how many packets does he need to buy?



The graph shows the number of stickers collected by each of the four boys. Use the graph below to answer questions 39 and 40.



39. How many stickers did the four boys collect?

40. If half of Sam's stickers were given to Bob, how many stickers would Bob have more than Tom?

Section C (5 x 4 marks)

Work out the following sums carefully. Show each step of your working clearly as marks will be given for working and relevant statements.

41. Melvin and Liza have 354 stamps altogether. If Andy and Liza have 265 stamps altogether and Andy has 105 stamps, how many stamps does Melvin have?

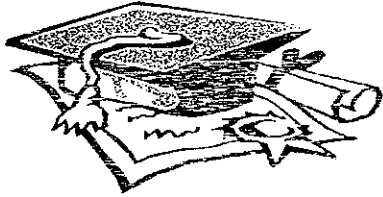
42. Mr Sng sold 40 papayas at \$3 each and Mr Pang sold twice the number of papayas at \$2 each. How much more money did Mr Pang collect than Mr Sng?

43. Kristy had some lemonade. She used 400 ml and poured the rest equally into 3 containers. If each container had a capacity of 205 ml, how much lemonade did she have at first?

44. The mass of a mango is 3 times as heavy as an apple while an apple is twice as heavy as a banana. If the mass of the 3 fruits is 936 g, what is the mass of an apple?

45. Mrs Sue bought some pens and pencils. The pens were sold at 3 for \$8 and the pencils at 3 for \$5. She spent the same amount of money on the pens and the pencils. If she spent \$80, how many pens and how many pencils did she buy?

- END OF BOOKLET B -



ANSWER SHEET

EXAM PAPER 2008

SCHOOL : ACS PRIMARY SCHOOL
SUBJECT : PRIMARY 3 MATHEMATICS

TERM : SA 2

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	Q16	Q17
4	2	4	1	4	1	3	3	3	4	3	2	1	4	2	2	2

Q18	Q19	Q20
4	4	4

- 21) 10 22) 394 23) 3 24) 4 games 25) 1
26) 240 27) \$48 28) \$15 29) 12.20pm 30) 3
31) 1/6 32) 2/10 33) AE 34) 1h 30min 35) 24 seeds
36) 1m 90cm 37) 3100ml 38) 4 packets 39) 145 stickers
40) 10 stickers

- 41) $265 - 105 = 160$
Liza has 160 stamps.
 $354 - 160 = 194$
Melvin has 194 stamps.

- 42) $40 \times 2 = 80$
Mr Pang sold 80 papayas.
 $40 \times 3 = 120$
Mr Sng earned \$120
 $80 \times 2 = 160$
Mr Pang earned \$160
 $160 - 120 = 40$
Mr Pang collected \$40 more than Me Sng

43) $205 \times 3 = 615$

She had 615ml of lemonade before pouring it in into 3 cups.

$615 + 400 = 1015$

She had 1015ml of lemonade at first.

44) $9u = 936g$

$1u = 936 \div 9 = 104g$

$2u = 2 \times 104 = 208g$

45) $\$80 \div 2 = \40

$40 \div 8 = 5$

$5 \times 3 = 15$ pens

$40 \div 5 = 8$

$8 \times 3 = 24$ pencils.