



Anglo-Chinese School
(Primary)

MID-YEAR EXAMINATION 2007
MATHEMATICS

Booklet A

Name: _____

Class: Primary 4__

Date: 8 May 2007

Duration of Booklet A & B: 1 h 45 min

THIS BOOKLET CONTAINS PAGE 1 to 4.
DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.
FOLLOW ALL INSTRUCTIONS CAREFULLY.

Section A (10 questions x 2 marks each)

For each question from 1 to 10, 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.

1. Which of the following has the same value as 5000?
 - (1) 50 tens
 - (2) 500 tens
 - (3) 500 hundreds
 - (4) 5000 thousands

2. What is 32 451 when it is rounded off to the nearest 100?
 - (1) 32 000
 - (2) 32 400
 - (3) 32 450
 - (4) 32 500

3. Which of the following is a common multiple of 3 and 8?
 - (1) 11
 - (2) 12
 - (3) 16
 - (4) 48

4. What is the sum of all the factors of 9?

- (1) 4
- (2) 12
- (3) 13
- (4) 16

5. What is the product of 16 and 52?

- (1) 354
- (2) 364
- (3) 825
- (4) 832

6. What is the quotient of $837 \div 4$?

- (1) 20
- (2) 29
- (3) 201
- (4) 209

7. Karl gave $\frac{2}{5}$ of his stamps to Jim and had 90 stamps left in his collection.

How many stamps did Karl have at first ?

- (1) 60
- (2) 126
- (3) 150
- (4) 180

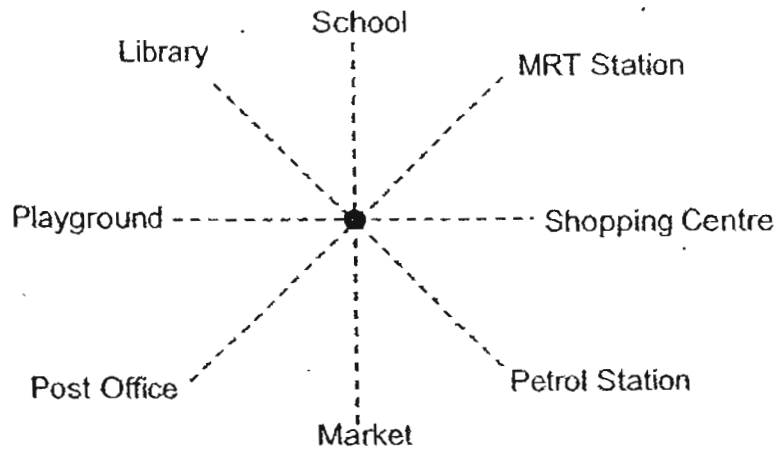
8. What is $\frac{15}{6} + \frac{5}{6}$?

- (1) $\frac{20}{12}$
- (2) $1\frac{2}{3}$
- (3) $2\frac{1}{2}$
- (4) $3\frac{1}{3}$

9. Jim's mass is $\frac{3}{4}$ of his father's mass. If his father weighs 76kg, what is their total mass?

- (1) 19 kg
- (2) 38kg
- (3) 57kg
- (4) 133kg

10. The diagram below shows the different places in Hopeful Town. (Diagram not drawn to scale)



Phillip is standing at the spot marked with ● and facing the MRT Station. What will he face if he turns 90° anti-clockwise?

- (1) School
- (2) Library
- (3) Post Office
- (4) Petrol Station



Anglo-Chinese School
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MID-YEAR EXAMINATION 2007
MATHEMATICS

Booklet B

Name: _____

Class: Primary 4_L

Date: 8 May 2007

Duration of Booklet A & B: 1 h 45 min

Section	Contents	Marks	Marks Obtained
A	Multiple Choice Questions	20	
B	Short Answers	40	
C	Problem Sums	40	
Total Marks		100	
Parent's signature			

THIS BOOKLET CONTAINS PAGE 5 to 17.
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Section B (20 questions x 2 marks each)

Write the correct answers in the spaces provided.

(Give your answers in the units required and in its simplest form wherever possible.)

11. Form the smallest 5-digit even number using the digits 2, 7, 9, 0, 6.

12. I am a 4 digit number.

All my digits are odd.

The sum of my digits is less than 21.

The value of the digit in the ones place is three times the value of the digit in the hundreds place.

I am 1380 when rounded to the nearest ten.

What number am I?

13. What is the difference in value between the digits in the thousands place and the tens place in 56,789?

14. Samuel is 7 years old. His sister, Sarah, is twice as old as him. Their father is 4 times as old as Sarah. How old is their father?

_____ years old

15. An air ticket to Africa costs \$1806. How much will George have to pay if he wants to pay for the air tickets for his family of 4?

\$ _____

16. Mr Chan drove his car from his house to his office. What is the total distance that he drove from his house to his office? Express your answer in metres.



_____ m

17. The total capacity of 2 containers is 900ml. If the capacity of the first container is half of the second container. what is the capacity of the second container?

ml

18. A shirt and a pair of shorts cost \$50. If the shirt costs \$16 less than the pair of shorts, how much does the pair of shorts cost?

19. Kelvin earned \$3 500 in June. He spent \$1 800 on a computer and \$250 on transport. He spent \$270 more on food than on transport and saved the rest. How much did Kelvin save in the month of June?

20. The table below shows the number of passengers taking buses from the bus terminal at 6.00 a.m. on a Monday morning.

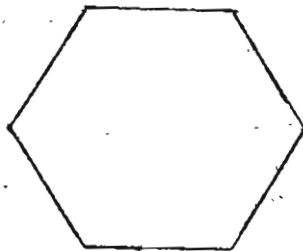
	Bus A	Bus B	Bus C
Number of passengers	11	14	10

What fraction of the passengers take Bus A and Bus C on a Monday morning?
Express your answer in the simplest form.

21. Arrange the following fractions in ascending order.

$$5\frac{1}{2}, 5, 5\frac{1}{5}, 5\frac{1}{4}$$

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

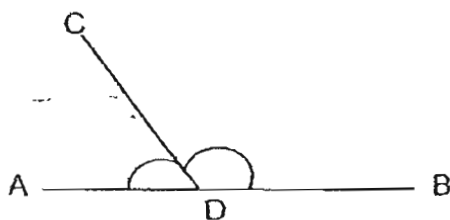


23. Fill in the number in the missing blank

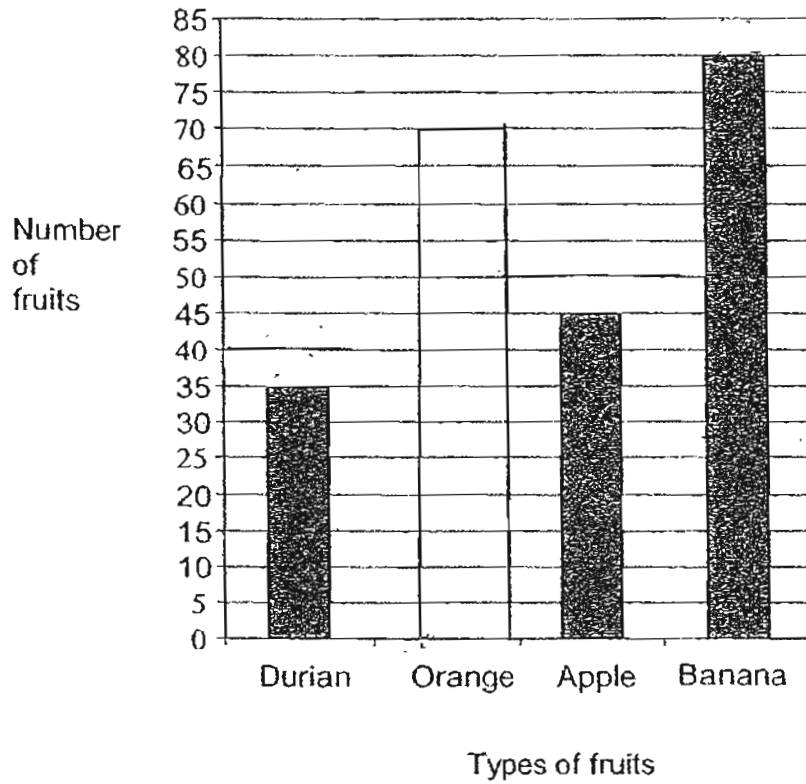
$$56 \times 12 = \underline{\hspace{2cm}} \times 4$$

24. How many complete turns make 12 right angles?

25. Look at the figure below. ADB is a straight line. Name the angle that is more than 90° .



The bar graph shows the number of people who bought fruits from Mr Kim. Use the information from the graph to answer questions 26 and 27.



26. If the number of people who bought oranges is twice the number of people who bought durians, how many people bought oranges?

27. Mr Kim sells 5 apples for \$1 and a comb of bananas for \$2. Find the amount of money Mr Kim received from the sale of bananas and apples.

28. Joe left for school at 5.45 a.m. He waited for the bus for 20 minutes and the bus journey took 35 minutes. What time did he reach his school?

_____ a.m.

29. Ali has 10 cats and birds. The animals have a total of 28 legs.
How many cats does he have?

30. A boat can carry 9 passengers across a river. There are 164 passengers waiting to cross the river. How many boats are needed to ferry all the passengers at the same time?

Section C (10 questions x 4 marks each)

Write your answers to questions 31 to 40 in the spaces provided. Show your working clearly. (Give your answers in the units required and in its simplest form wherever possible.)

31. Mrs Tan baked 45 trays of cookies. There were 37 cookies on each tray. Mrs Tan sold 589 of the cookies and kept the rest for her family. How many cookies did she keep for her family?

Answer: _____ (4m)

32. Peter has 420 stickers while Zoe has 4 times as many stickers as Peter. How many stickers must Zoe give to Peter so that he will have 400 stickers more than her?

Answer: _____ (4m)

33. A carton containing 10 similar bottles weighs 4000g. The same carton and 4 of the bottles weigh 1900g. Find the mass of the carton.

_____ (4m)

34. Mr Tan bought a table, a lamp and a computer for \$2231 altogether. The computer cost \$1245 more than the table. The lamp cost \$184 less than the table. How much did Mr Tan pay for the computer?

Answer: _____ (4m)

35. A pair of pants and two shirts cost \$161. A pair of pants costs \$7 less than a shirt. Find the cost of 1 pair of pants and 1 shirt.

Answer: _____ (4m)

36. School dismissal was at 1.00 p.m. Justin took 30 minutes to cycle from his school to the library. He spent 15 minutes in the library. He then took 45 minutes to cycle to the food centre for his lunch.
- a) What was the distance he cycled from school to the food centre?
b) What time did he reach the food centre?



a) _

b) _

37. Primary 4K intends to sell 900 muffins at the ACS carnival.
 $\frac{2}{5}$ of them are chocolate muffins and the rest are banana muffins and apple muffins. There are 60 fewer banana muffins than apple muffins.
How many banana muffins are there?

Answer: _____ (4m)

38. There are 9 lamp posts along Maple Street. Mr Lim takes 189 sec to walk from the first lamp post to the next. The distance between every 2 lamp posts is 145 m.
- a) What is the time taken for Mr Lim to walk from the first lamp post to the ninth lamp post? (Give your answer in seconds)
- b) What is the distance from the third lamp post to the last lamp post? (Give your answer in _____ m)

a) _____ (2m)

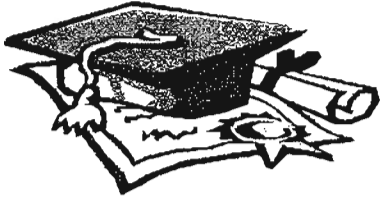
b) _____ (2m)

39. Timothy collected twice as many stamps as Kelvin. Jason collected the same number of stamps as Timothy. The three boys collected a total of 2280 stamps. How many stamps did Jason collect?

Answer: _____ (4m)

40. Andrew, Bernard and Cedric weighed themselves 2 at a time. Bernard and Cedric weighed 86 kg together. Andrew and Bernard weighed 132 kg. Andrew and Cedric weighed 120 kg. What is the total weight of all the boys?

Answer: _____ (4m)



ANSWER SHEET

A C S PRIMARY SCHOOL - PRIMARY 4 MATHEMATICS 2007
SEMESTRAL ASSESSMENT (1)

1. 2
 2. 4
 3. 4 She kept 1076 cookies for her family.
 4. 2
 5. 4
 6. 4 31) $45 \times 37 = 1665$
 7. 3 $1665 - 589 = 1076$
 8. 4
 9. 4
 10. 2 She must give 830 stickers.
 11. 20769
 12. 1379 32) $420 \times 4 = 1680$
 13. 5920 $1680 - 400 - 420 = 860$
 14. 56 $860 \div 2 = 430$
 15. 7224 $400 + 430 = 830$
 16. 70280 She must give 830 stickers.
 17. 600mm
 18. 533 33) $4000 - 1900 = 2100$
 19. \$930 $2100 \div 6 = 350$
 20. 3/5 $350 \times 4 = 1400$
 21. 5, 5 1/4, 5 1/5, 5 1/2 $1900 - 1400 = 500$
 22. 3 The weight the carton is 500g.
 23. 168
 24. 3 34) $245 + 184 + 184 = \$1613$
 25. $\angle CDB$ $\$2231 - \$1613 = \$618$
 26. 70 $\$618 \div 3 = \206
 27. \$169 $\$206 + \$184 + \$1245 = \1635
 28. 6.40a.m. He paid \$1635 for the computer.
 29. 4 cats
 30. 19 35) $\$7 \times 2 = \14
 $\$161 - \$14 = \$147$
 $\$147 \div 3 = \49
 $\$49 + \$7 = \$56$
 $\$56 + \$49 = \$105$
 The cost is \$105

36) a) $3\text{km} + 65\text{m} + 5\text{km} 9\text{m} = 8\text{km} 74\text{m}$
The distance is 8km 74m
b) $1\text{hrs} + 30\text{min} + 15\text{min} + 45\text{min} = 1\text{h} 90\text{min}$
 $= 1\text{h} 30\text{min}$
 $= 2.30\text{pm}$
He reached the reach at 2.30pm

37) $900 \div 5 = 180$
 $180 \times 2 = 360$
 $900 - 360 = 540$
 $540 \div 6 = 480$
 $480 \div 2 = 240$
There are 240 banana muffins.

38) a) $189 \times 8 = 1512\text{sec}$
b) $145 \times 6 = 870\text{m}$

39) $2280 \div 5 = 456$
 $456 \times 2 = 912$
He collected 912 stamps.

40) $152 + 120 + 86 = 338$
 $338 \div 2 = 169$
The total weight is 169 kg.