



Anglo-Chinese School (Primary)  
END-OF-YEAR EXAMINATION 2008  
MATHEMATICS  
PRIMARY FIVE

PAPER 1 (BOOKLET A)

Name: \_\_\_\_\_ ( ) Class: Primary 5

Date: 24 October 2008

Duration of Paper 1  
(Booklet A and Booklet B): 50 min

\_\_\_\_\_  
Parent's/Guardian's signature

THIS BOOKLET CONTAINS 6 PAGES.  
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YOU ARE NOT ALLOWED TO USE A CALCULATOR

Questions 1 to 10 carry 1 mark each. Question 11 to 15 carry 2 marks each.  
Make your choice (1, 2, 3 or 4). Shade the correct oval (1, 2, 3 or 4) on the  
Optical Answer Sheet (OAS) (20 marks)

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1. Which of the following has the digit '6' in the ten thousands place?

1) 3 264 507

2) 4 326 057

3) 5 630 274

4) 6 032 745

2. Find the value of  $12 + 8 \times 4 - (16 \div 8)$ .

1) 28

2) 40

3) 42

4) 78

3. 10 students share 6 pizzas equally. Each child gets \_\_\_\_\_ pizza.

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

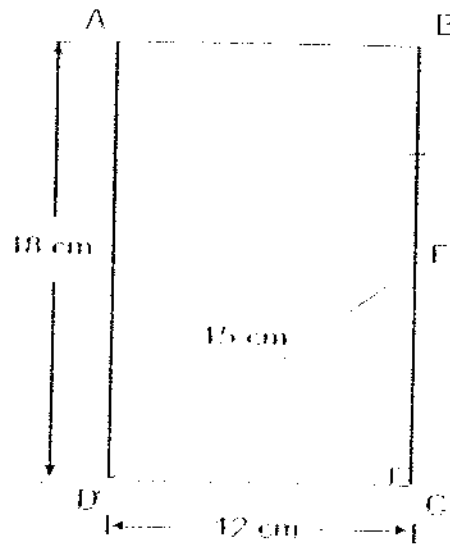
2)  $\frac{3}{5}$

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

4)  $1\frac{2}{3}$

4. ABCD is a rectangle and DE is 15 cm. E is the mid point of BC. Find the area of triangle CDE.

- 1)  $54 \text{ cm}^2$
- 2)  $90 \text{ cm}^2$
- 3)  $108 \text{ cm}^2$
- 4)  $135 \text{ cm}^2$



5. What is the missing number in the box?

$$3 : 23 = 12 : \boxed{\phantom{00}}$$

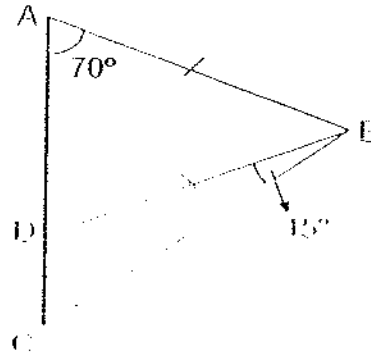
- 1) 15
  - 2) 35
  - 3) 32
  - 4) 92
6. A tank, with all sides 8 cm, is  $\frac{1}{4}$  filled with water. Find the volume of the water in the tank.

- 1)  $64 \text{ cm}^3$
- 2)  $128 \text{ cm}^3$
- 3)  $256 \text{ cm}^3$
- 4)  $512 \text{ cm}^3$

7. A barrel contains 20.61 l of water. The water is then poured into 30 identical jugs. How much water can each jug contain?
- 1) 0.687 ml
  - 2) 6.87 ml
  - 3) 687 ml
  - 4) 618 300 ml
8. Rahim had \$73.50. He bought 3 CDs which cost \$15.20. How much had he left?
- 1) \$27.90
  - 2) \$37.90
  - 3) \$45.60
  - 4) \$58.30
9. There are 25 boys and 15 girls at a party. How many percent of the children are boys?
- 1) 25%
  - 2) 40%
  - 3) 62.5%
  - 4) 125%
10. David scores an average of 65 marks in 3 tests. How many marks must he score in the 4<sup>th</sup> test if he wants his average mark to be 5 more than his previous average mark?
- 1) 67.5
  - 2) 70
  - 3) 80
  - 4) 85

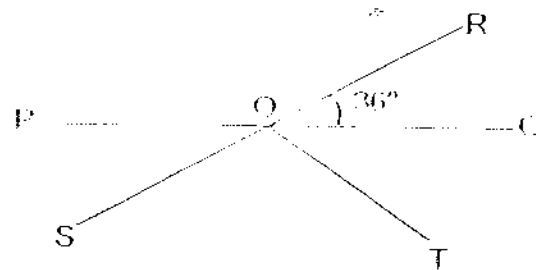
11. In the figure, ABD is an isosceles triangle,  $\angle BAD$  is  $70^\circ$  and  $\angle CBD$  is  $15^\circ$ . Find the value of  $\angle ACB$ . (Figure is not drawn to scale)

- 1)  $25^\circ$
- 2)  $40^\circ$
- 3)  $55^\circ$
- 4)  $95^\circ$



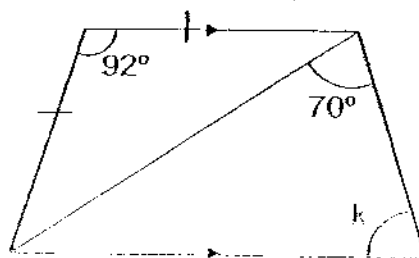
12. In the figure, PQ and RS are straight lines. Given that  $\angle QOR$  is  $36^\circ$  and  $\angle SOT$  is three times the size of  $\angle QOT$ , find  $\angle SOT$ .

- 1)  $36^\circ$
- 2)  $48^\circ$
- 3)  $96^\circ$
- 4)  $108^\circ$



13. Find the value of  $\angle k$  in the figure below.

- 1)  $44^\circ$
- 2)  $66^\circ$
- 3)  $71^\circ$
- 4)  $92^\circ$



14.  $\frac{1}{4}$  of a tank was initially filled with water. From 12.00 p.m. to 12.20 p.m., a tap was turned on and  $\frac{1}{2}$  of the tank is now filled with water. At what time would the tank be  $\frac{7}{8}$  filled with water flowing from the tap at this rate?

- 1) 1.10 p.m.
- 2) 1.30 p.m.
- 3) 12.30 p.m.
- 4) 12.50 p.m.

15. What is the missing number in the number sequence?

12, 29, 34, \_\_\_\_\_, 78, 161, 166

- 1) 39
- 2) 73
- 3) 68
- 4) 51



**Anglo-Chinese School (Primary)**  
**END-OF-YEAR EXAMINATION 2008**  
**MATHEMATICS**  
**PRIMARY FIVE**

**PAPER 1 (BOOKLET B)**

Name: \_\_\_\_\_ ( ) Class: Primary 5

Date: 24 October 2008

Duration of Paper 1  
(Booklet A and Booklet B): 50 min

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Parent's/Guardian's signature

Section	Maximum Marks	Marks Obtained
Paper 1 Booklet A. Multiple-Choice Questions	20	
Paper 1 Booklet B. Short Answers Part 1	10	
Paper 1 Booklet B. Short Answers Part 2	10	
<b>Total Marks</b>	<b>40</b>	

**THIS BOOKLET CONTAINS 7 PAGES.**  
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Questions 16 to 25 carry 1 mark each. Write your answers in the spaces provided. Give your answers to the units stated and to its simplest form whenever necessary. (10 marks)

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16. Find the value of  $2\,639 \div 13$ .

Answer : \_\_\_\_\_

17. What is the missing number in the box?

$$27 \times 48 = (20 \times 48) + (7 \times 6 \times \boxed{?})$$

Answer : \_\_\_\_\_

18. Arrange the following fractions in decreasing order:

$$\frac{3}{8}, \frac{3}{11}, \frac{3}{7}$$

Answer : \_\_\_\_\_

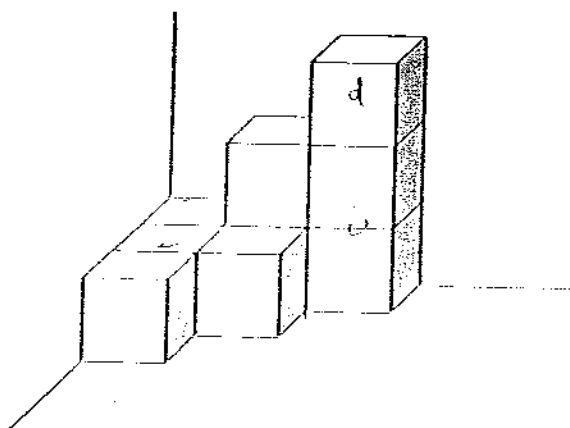
19. A triangle with an area of  $27 \text{ cm}^2$  has a base of  $12 \text{ cm}$ . Find the height of the triangle.

Answer : \_\_\_\_\_  $\text{cm}$

20. The ratio of the number of blue marbles to the number of green marbles is  $13 : 27$ . If there are  $39$  blue marbles, how many blue and green marbles are there altogether?

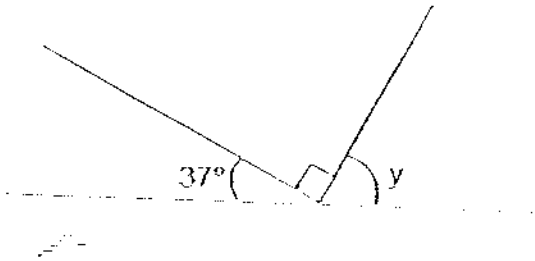
Answer : \_\_\_\_\_

21. The figure is made up of  $1\text{-cm}$  cubes stacked to the side of a wall. Find the volume of the figure.



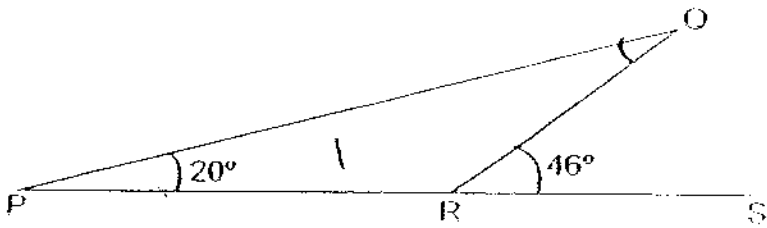
Answer : \_\_\_\_\_  $\text{cm}^3$

22. Find  $\angle y$  in the figure below (Figure is not drawn to scale)



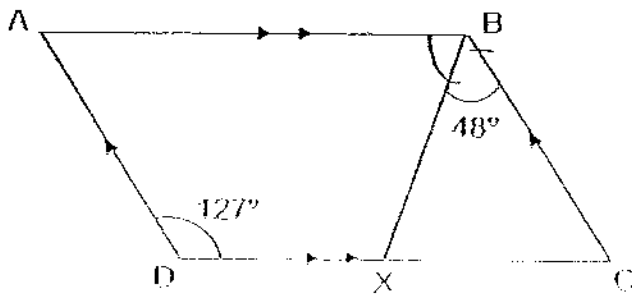
Answer : \_\_\_\_\_

23. In the figure, PRS is a straight line. Find  $\angle POR$ .



Answer : \_\_\_\_\_

24. In the figure, ABCD is a parallelogram. Find  $\angle ABX$ .



Answer : \_\_\_\_\_°

25. A candy factory is able to produce 145 sweets in 5 minutes. At this rate, how many sweets can it produce in 1 hour?

Answer : \_\_\_\_\_ sweets

Questions 26 to 30 carry 2 marks each. Show all mathematical statements clearly in the space below each question and write your answers in the spaces provided. Give your answers to the units stated and to its simplest form whenever necessary. (10 marks)

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26. A rectangular field has breadth of 10.32 m. Its length is 10 times of its breadth. What is the perimeter?

Answer \_\_\_\_\_ m

27. A piece of ribbon 12.8 m long was cut into 9 pieces. 5 pieces were 0.91 m long each and 3 pieces were 1.32 m long each. What was the length of the 9<sup>th</sup> piece of ribbon?

Answer : \_\_\_\_\_ m

28. There are 10 200 members in a club. 30% of the members are children. The rest of the members are adults. 40% of the adults are women. How many of the members are female adults?

Answer : \_\_\_\_\_

29. The average mass of 1 science textbook and 5 mathematics textbooks is 250 g. The average mass of each mathematics textbook is 237 g. What is the mass of the science textbook?

Answer : \_\_\_\_\_g

30. Find the sum of all even numbers from 1 to 168.

Answer : \_\_\_\_\_

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End of Paper 1



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MATHEMATICS  
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PAPER 2

Name: \_\_\_\_\_ ( ) Class: Primary 5 \_\_\_\_\_

Date: 24 October 2008

Duration of Paper: 1 hour 40 min

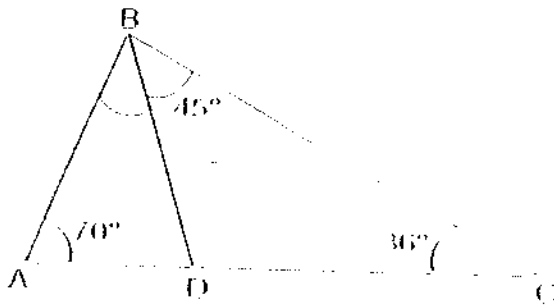
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Section	Maximum Marks	Marks Obtained
Paper 1 (Total Marks)	40	
B. Short Answers Part 2	10	
C. Problem Sums	50	
Total Marks	100	

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Questions 1 to 5 carry 2 marks each. Show your mathematical statements clearly in the space provided for each question and write your answers in the spaces provided. Give your answers to the units stated and to its simplest form whenever necessary (10 marks)

1. Find  $\angle ABD$  in the figure shown. (Figure is not drawn to scale)



Answer : \_\_\_\_\_

2. Johan bought 6 erasers and 4 blue pens from the school book shop for \$18. If 2 blue pens cost as much as 3 erasers, find the cost of 1 blue pen.

Answer : \$ \_\_\_\_\_

3. Mr Chen spent \$2 288 of his salary on a plasma television and  $\frac{1}{4}$  of the remainder on a Blu-Ray player. If he had  $\frac{1}{2}$  of his salary left, how much was his salary?

Answer: \$ \_\_\_\_\_

4. There are 5 identical jars which weigh a total of 17.25 kg. What is the mass of 17 such jars?

Answer: \_\_\_\_\_ kg

5. Mary bought 14 kg of flour. She used 3.115 kg of the flour to make cakes. What percentage of the flour did she use to make the cake?

Answer: \_\_\_\_\_%

For questions 6 to 18, show your steps clearly in the space provided for each question and write your answers in the spaces provided.

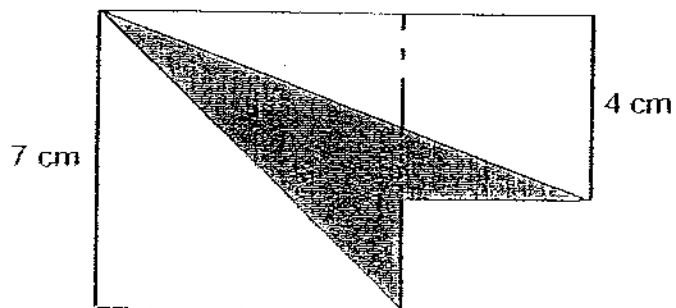
For questions which require units, give your answers in the units stated.

The number of marks available is shown in brackets [ ] at the end of each question or part-question. (50 marks)

- 6 Adrian has  $\frac{2}{3}$  as many stamps as Barry. Barry has  $\frac{1}{2}$  as many stamps as Carl. If the three boys have a total of 344 stamps, find the number of stamps Carl has.

Answer : \_\_\_\_\_ [3]

7. The figure below, not drawn to scale, is made up of 2 squares of different sizes. Find the area of the shaded region.



Answer : \_\_\_\_\_ [3]

8. Christine, Mary and Sally share a sum of money in the ratio of 3 : 7 : 9.
- (a) If Mary receives \$84, how much is the total sum of money?
  - (b) How much must Mary give to Christine so that both will get an equal share?

Answer : a) \_\_\_\_\_ [1]

b) \_\_\_\_\_ [2]

9. A fish tank, with a base area of  $640 \text{ cm}^2$ , is filled with water from a tap which flows at a rate of 1.5 l per minute. What is the height of the water level in the fish tank if the tap is turned on for 24 minutes?

Answer : \_\_\_\_\_ [3]

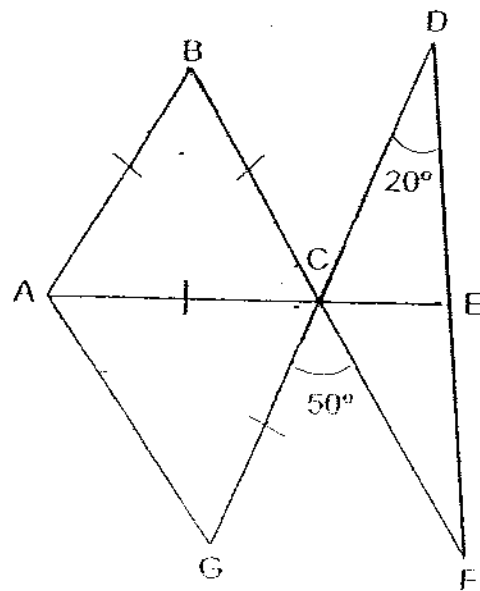
10. Gabriel has some stationery of which 0.2 of them are pencils and the rest are pens.  $\frac{2}{7}$  of the pens are red and the rest are blue.
- (a) If he has 24 more blue pens than red, how many red pens does he have?
- (b) How many pencils does he have?

Answer : a) \_\_\_\_\_ [1]

b) \_\_\_\_\_ [2]

11. In the figure below, not drawn to scale, ABC is an equilateral triangle and ACG is an isosceles triangle. BCF, DCG and ACE are straight lines. Find

- a)  $\angle CAG$   
 b)  $\angle CFE$



Answer : a) \_\_\_\_\_ [2]

b) \_\_\_\_\_ [2]

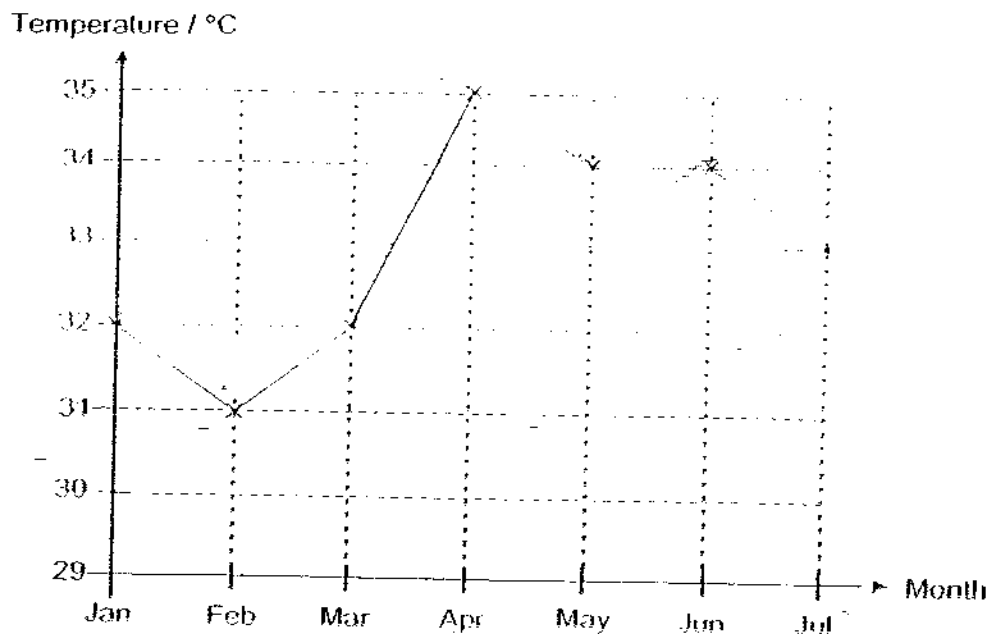
12. Mrs Chan bought 4.8 kg of fish at \$1.80 per 300 g, 3.2 kg of meat at \$2.10 per 200 g and 5.6 kg of vegetables at \$1.65 per 800 g. How much did she pay altogether?

Answer : \_\_\_\_\_ [4]

13. The cost of a shirt and a cap was \$60. Jay bought 4 such shirts, 2 such caps and a pair of shorts for \$200. If the total cost of a pair of shorts and 1 shirt was \$45, find the cost of a pair of shorts.

Answer : \_\_\_\_\_ [4]

14. The graph below shows the monthly highest temperature recorded in Singapore from January to July.



- (a) What is the average highest temperature from January to July?
- (b) If the average highest temperature from January to August is the same as that in question 14(a), what will be the highest temperature in August?

Answer : a) \_\_\_\_\_ [2]

b) \_\_\_\_\_ [2]

15. There are four times as many \$2 notes as \$5 notes in a bag. Given that the total amount of money in the bag is \$325, how many \$5 notes are there?

Answer : \_\_\_\_\_ [4]

16. The table below shows the car park charges at a shopping centre.

Mon – Sat (before 6 p.m.)	6 a.m. – 5.59 p.m.: \$1.50 per hour or part thereof 12 p.m. – 2 p.m.: Free parking
Mon – Sat (after 6 p.m.)	6 p.m. – 9.59 p.m.: \$2 per hour or part thereof After 10 p.m.: \$1 per hour or part thereof
Sunday	6 a.m. – 2 p.m.: Free After 2 p.m.: Same as weekdays

Mr Tan works in Esplanade and parks his car in the car park everyday from Monday to Friday from 11 a.m. to 9 p.m. and on Sunday from 4 p.m. to 5 p.m. How much car park charges does he pay for the six days?

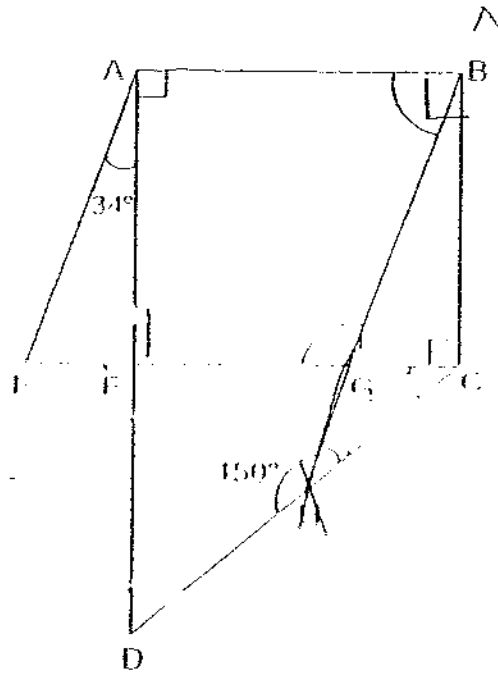
Answer : \_\_\_\_\_ [S]

17. A fruit seller had 28 kg of fresh plums. The plums contained 70% water when fresh. Ten days later, the plums contained only 60% water. What was the mass of the plums ten days later?

Answer : \_\_\_\_\_ [5]

18. In the figure, ABGF is a parallelogram and ABCE is a square. Find

- a)  $\angle BGF$
- b)  $\angle ABH$
- c)  $\angle GCH$



Answer : a) \_\_\_\_\_ [1]  
 b) \_\_\_\_\_ [2]  
 c) \_\_\_\_\_ [2]

End of Paper 2

# ANSWER SHEET

EXAM PAPER 2008

SCHOOL : ACS PRIMARY SCHOOL  
SUBJECT : PRIMARY 5 MATHEMATICS

TERM : SA 2

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

16)203                      17)8                      18)3/7, 3/8, 3/11                      19)4.5

20)120                      21)9                      22)53                      23)26°

24)79°                      25)1740                      26)227.04                      27)4.29

28)4334                      29)315                      30)7225

Paper 2

1)29°                      2)\$2.25                      3)\$6864                      4)58.65

5)22.25                      6)186                      7)18.5cm<sup>2</sup>                      8)a)\$228 b)\$24

9)56.25cm                      10)a)16 b)14                      11)a)55° b)30°

12)\$73.95                      13)\$10                      14)a)33°C b)33°C

15)25                      16)\$72                      17)25.2kg

18)a)124°                      b)56°                      c)26°