

**Tao Nan School**  
**Primary 5 Mathematics Mid-Year Examination – 2009**

Name: \_\_\_\_\_ ( )

Date : 18 May 2009

Class : Primary 5 ( )

Time : 8.00 a.m. - 8.50 a.m.

Parent's Signature : \_\_\_\_\_

Marks: \_\_\_\_\_ / 100

**MATHEMATICS**

**PAPER 1**

**(BOOKLET A)**

**20 marks**

**INSTRUCTIONS TO CANDIDATE**

1. Write your name, class and Index No.
2. Do not turn over this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Shade your answers in the Optical Answer Sheet (OAS) provided.
6. You are **not** allowed to use a calculator.

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)

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1. 5 thousands, 2 tenths and 6 hundredths is \_\_\_\_\_.

- (1) 5620
- (2) 5000.26
- (3) 5020.06
- (4) 5000.026

2. Express this numeral 9 754 218 to the nearest thousand.

- (1) 9 750 000
- (2) 9 754 000
- (3) 9 755 000
- (4) 9 800 000

3. Find the value of  $37 \times 403$ .

- (1) 4 040
- (2) 4 050
- (3) 14 811
- (4) 14 911

4. A Science workbook cost \$1.20.

300 such Science workbooks will cost \_\_\_\_\_.

- (1) \$3.60
- (2) \$36.00
- (3) \$360.00
- (4) \$3600.00

5.  $36 + 24 \div 2 - 1 = \underline{\hspace{2cm}}$

- (1) 29
- (2) 47
- (3) 49
- (4) 60

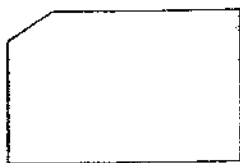
6. Find the ratio of 80 g to 4 kg 80 g.

- (1) 1 : 8
- (2) 1 : 50
- (3) 1 : 51
- (4) 1 : 60

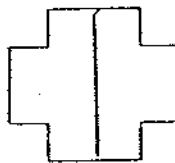
7.   $\div 2 \times 3 = 6$

- (1) 1
- (2) 9
- (3) 36
- (4) 4

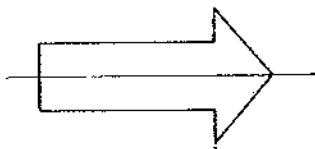
8. Which of the following figures does not have a line of symmetry?



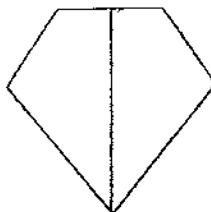
(1)



(2)



(3)



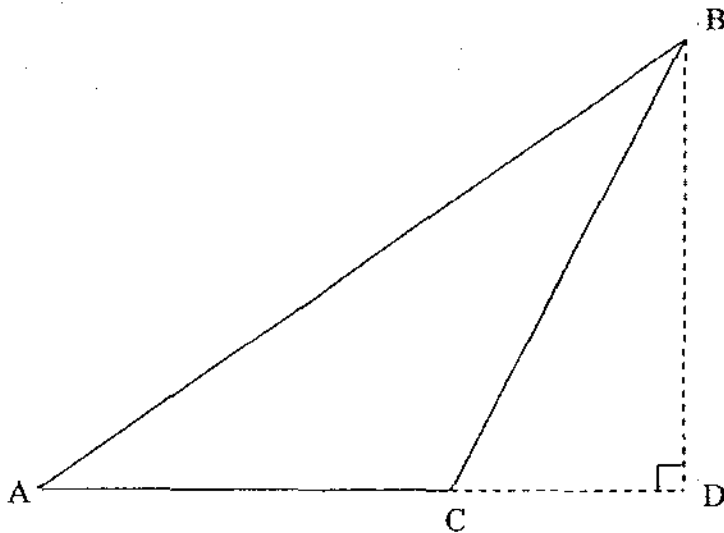
(4)

9. Martha has \$200. She spent  $\frac{2}{5}$  of it on a bag and \$30 on a pencil case.

How much did she spend?

- (1) \$70
- (2) \$80
- (3) \$90
- (4) \$110

10. In the figure below, ABC is a triangle. What is the base of the triangle given that BD is its height?



- (1) AB
- (2) AC
- (3) AD
- (4) CD



14. When rounded off to the nearest hundred, I am 86 500. When rounded off to the nearest thousand, I am 87 000. What am I?

~~(1)~~ 86 429

~~(2)~~ 86 499

~~(3)~~ 86 529

~~(4)~~ 86 599

15. Timothy had  $\frac{5}{9}$  l of cranberry juice and  $\frac{8}{9}$  l of grape juice. He drank  $\frac{1}{5}$  of

his cranberry juice and  $\frac{3}{4}$  of his grape juice. How much juice did he drink?

(1)  $\frac{1}{9}$  l

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

(3)  $\frac{6}{9}$  l

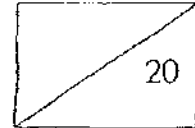
(4)  $\frac{7}{9}$  l

17) Andy: Total = 1:4 = 15 : 60  
 Betty: Total = 1:5 = 12: 60  
 Candy: Total = 1:6 = 10 : 60  
 Danny = 60 - 15 - 12 - 10  
 = 23 units  
 23u = \$1725  
 60u =  $\frac{\$1725 \times 60}{23}$   
 = \$4500

18) A : M : P  
 = 3 : 5 : 2  
 10u = \$60  
 5u =  $\frac{\$60 \times 5}{10}$  = \$30  
 $\frac{30}{5} \times 3 = 18$  mangoes  
M : A : P  
 = 3 : 6 : 2 = 11u  
 3u = 18  
 11u =  $\frac{18 \times 11}{3}$   
 = 66 fruits.

Name: \_\_\_\_\_ ( )

Class : Primary 5 ( )



Parent's Signature : \_\_\_\_\_

**MATHEMATICS**  
**PAPER 1**  
**(BOOKLET B)**

**INSTRUCTIONS TO CANDIDATE**

1. Write your name, class and Index No.
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4. Answer all questions.
5. Write your answers in this booklet.
6. You are **not** allowed to use a calculator.



20.

$$18 \overline{) \boxed{?}} \begin{array}{r} 17 \text{ R } 9 \end{array}$$

What is the missing number?

Ans: \_\_\_\_\_

21.  $\frac{2}{7} \times \frac{14}{18} =$  \_\_\_\_\_

Ans: \_\_\_\_\_

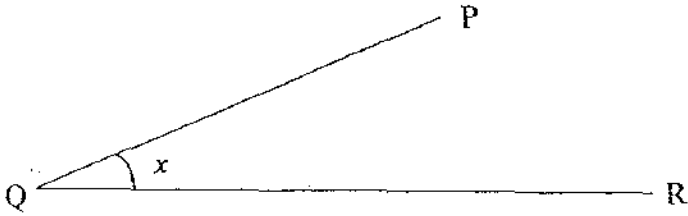
22.  $\frac{5}{6} \div 3 =$  \_\_\_\_\_

Ans: \_\_\_\_\_

23.  $4 : 3 =$  \_\_\_\_\_  $: 36$

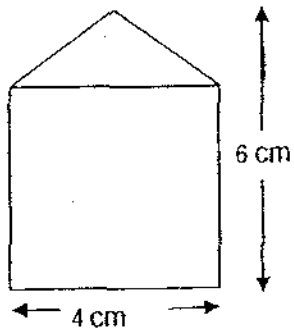
Ans: \_\_\_\_\_

24. PQ and QR are straight lines. Measure  $\angle x$ .



Ans: \_\_\_\_\_

25. The figure below is made up of a square and a triangle. Find the area of the figure.



Ans: \_\_\_\_\_  $\text{cm}^2$

Questions 26 to 30 carry 2 marks each. Show your working 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. (10 marks)

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26. A number when rounded off to the nearest hundred is 4 400. What is the smallest possible number?

Ans: \_\_\_\_\_

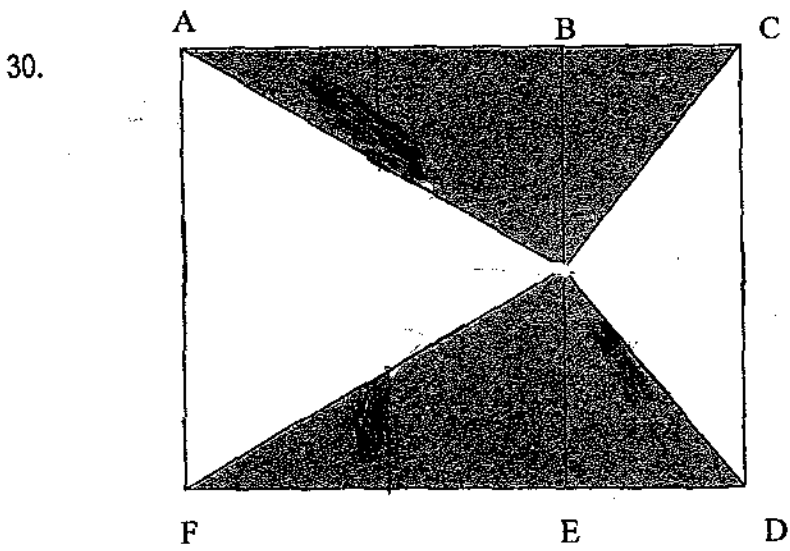
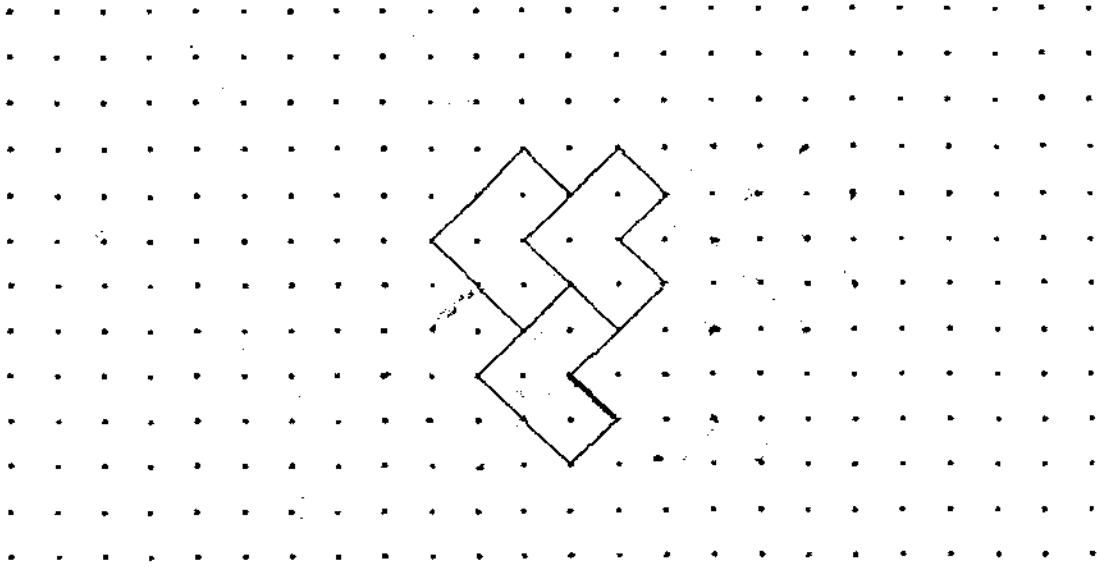
27. Ken has three times as many sweets as Mark and Mark has twice as many sweets as Richard. If Ken has 18 sweets, how many sweets does Richard have?

Ans: \_\_\_\_\_

28. A van can hold 11 pupils. What is the least number of vans needed to hold 158 pupils?

Ans: \_\_\_\_\_

29. Complete the following tessellations in the space provided by adding four more unit shapes to it.



ABEF and BCDE are rectangles.  
 What fraction of the above figure is shaded?

Ans: \_\_\_\_\_

**Tao Nan School**  
**Primary 5 Mathematics Mid-Year Examination – 2009**

Name: \_\_\_\_\_ (    )

Date : 18 May 2009

Class : Primary 5 (    )

Time : 10.00 a.m. - 11.40 a.m.

Parent's Signature : \_\_\_\_\_

Marks : \_\_\_\_\_ / 60

**MATHEMATICS**  
**PAPER 2**

**INSTRUCTIONS TO CANDIDATE**

1. Write your name, class and Index No.
2. Do not turn over this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Show your working clearly as marks are awarded for correct working.
6. You are allowed to use a calculator.

Questions 1 to 5 carry 2 marks each. Show your working 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. (10 marks)

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1. Hamid bought  $\frac{5}{8}$  kg of flour. He used  $\frac{2}{3}$  of it to bake some biscuits. How much flour was left?

Ans: \_\_\_\_\_ kg

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2. 40 cones are placed to form a square. How many cones are there on each side of the square?

Ans: \_\_\_\_\_

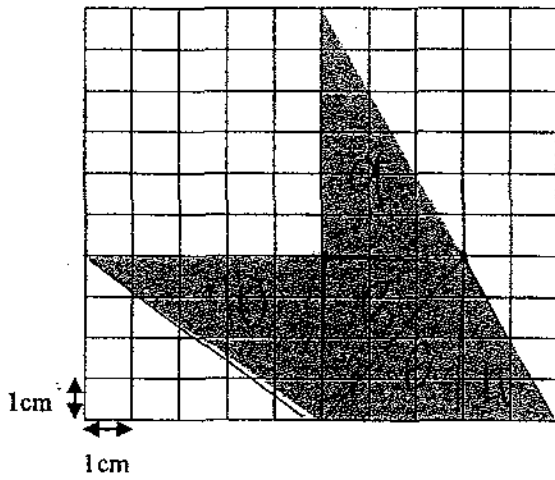
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3. At the Olympic Games 2008,  $\frac{1}{3}$  of Country A's medals was equal to  $\frac{1}{4}$  of Country B's medals. Country B had 9 medals more than Country A. How many medals did Country B have?

Ans: \_\_\_\_\_

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4.

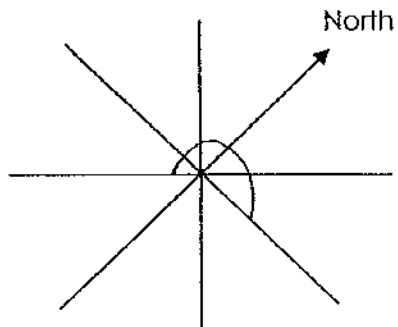


Find the area of the shaded figure.

Ans: \_\_\_\_\_ cm<sup>2</sup>

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5.



After turning  $135^\circ$  anti-clockwise, Henry is now facing Southwest.  
In which direction was he facing at first?

Ans: \_\_\_\_\_

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For questions 6 to 18, show your working clearly in the space provided for each 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. (50 marks)

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6. Rena bought 7 pieces of cloth. Each piece of cloth is  $1\frac{5}{6}$  m long. One metre of cloth cost \$6.

How much did she pay for all the cloth?

Ans: \_\_\_\_\_ [3]

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7. The table below shows the charges for taxi fare.

Booking fee : Monday to Friday (7.00 a.m. to 10.00 a.m.)	\$3.80
Charges for 1 <sup>st</sup> km or less	\$ 2.70
Charges for every 220 m thereafter	\$0.10

Jackson booked a taxi at 9.30 a.m. on Thursday and travelled for 1450m.

How much did he pay for the taxi fare?

Ans: \_\_\_\_\_ [3]

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8. Martha and Kelly were given an equal amount of pocket money. After Kelly spent \$184 and Martha spent \$64, Martha had 3 times as much money as Kelly. How much money did Kelly receive?

Ans: \_\_\_\_\_ [3]

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9. Brunei is training 200 athletes for the Youth Olympic Games (YOG). China is training  $3\frac{1}{2}$  times as many athletes as Brunei. The number of Singapore athletes is  $\frac{1}{5}$  that of China's. How many athletes is Singapore training for the YOG?

Ans: \_\_\_\_\_ [3]

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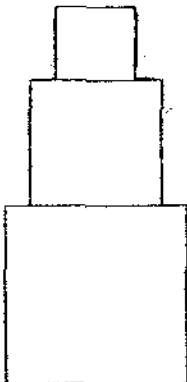


10. Faridah made some pineapple tarts. She gave  $\frac{3}{7}$  of her tarts to her mother. She gave  $\frac{1}{4}$  of the remainder to her sister and packed the remaining tarts into 4 containers. Each container had 18 tarts. How many tarts did she make?

Ans: \_\_\_\_\_ [3]

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11. The figure below is made up of three squares of sides 1 cm, 2 cm and 3 cm. What is its perimeter?



Ans: \_\_\_\_\_ [3]

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12. Rahim had 72 stamps. There were 20-cent and 50-cent stamps. The total value of all the stamps was \$28.50. How many 20-cent stamps were there?

Ans: \_\_\_\_\_ [4]

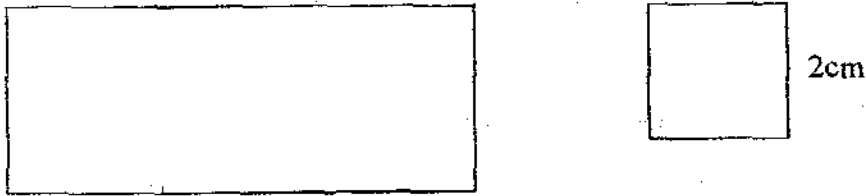
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13. There are about 20 to 40 sweets in a tin. These sweets can be distributed equally to 4 or 8 children with no remainder. However, when the sweets are distributed equally to 6 children, there are 2 sweets left over. How many sweets are there in the tin?

Ans: \_\_\_\_\_ [4]

14.



The diagram above shows a rectangle and a square

The perimeter of the rectangle is 3 times the perimeter of the square.

- (a) Find the perimeter of the rectangle.
- (b) The length of the rectangle is 3 times its breadth. Find the area of the rectangle.

Ans: (a) \_\_\_\_\_ [2]

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

15. Alan, Benny, Clement and Danny had 105 marbles. Alan lost 3 marbles and Danny lost  $\frac{1}{2}$  of what he had. Benny's sister gave Benny another 6 marbles. Clement's aunt rewarded Clement by doubling what he had originally. In the end, the 4 boys had an equal number of marbles. How many more marbles than Danny did Alan have at first?

Ans: \_\_\_\_\_ [5]

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16. Selvi saved her pocket money daily. Each day, she saved \$1.20 more than the previous day. At the end of one week, Selvi had saved \$32.20. How much did Selvi save on the second day?

Ans: \_\_\_\_\_ [5]

17. Study the pattern.



Figure 1



Figure 2

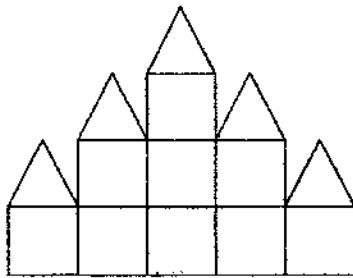


Figure 3

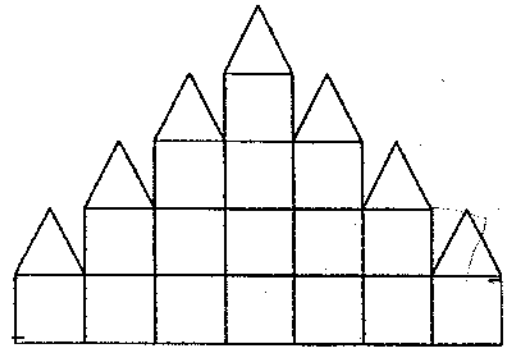
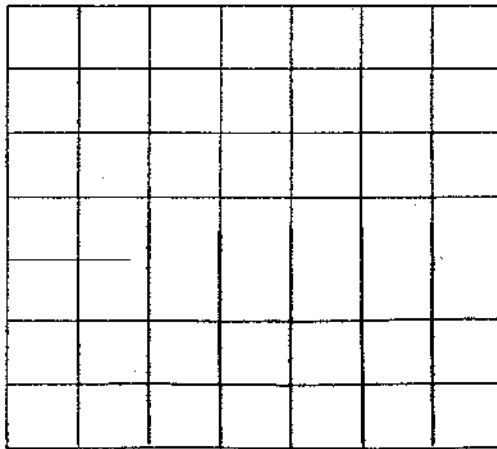


Figure 4

(a) Draw **Figure 2** in the grid provided below. [1]



(b) How many **triangles** are needed to form Figure 10?

(c) How many **squares** are needed to form Figure 10?

(d) In which **Figure** will there be 2 500 **squares**?

Ans: (b) \_\_\_\_\_ [1]

(c) \_\_\_\_\_ [1]

(d) Figure   10   [2]

18. Leela and Kumar shared a sum of money. Leela's share was \$90 less than Kumar's.

After Kumar gave  $\frac{1}{7}$  of his share to Leela, Leela had \$10 more than Kumar.

(a) How much did Leela have at first?

(b) What was the sum of money?

Ans: (a) \_\_\_\_\_ [3]

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

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END OF PAPER

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# ANSWER SHEET

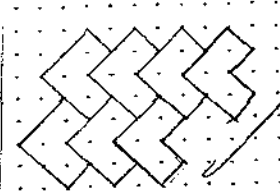
**EXAM PAPER 2009**

**SCHOOL : TAO NAN PRIMARY**  
**SUBJECT : PRIMARY 5 MATHEMATICS**

**TERM : SA1**

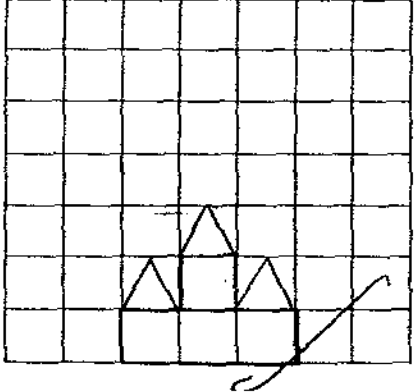
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
2	2	4	3	2	3	4	1	4	2	1	4	3	3	4

- 16)647000      17)21860      18)87634      19)X      20)315
- 21)2/9      22)5/18      23)48      24)24°      25)20cm<sup>2</sup>
- 26)4350      27)3      28)15      29)
- 30) 1/2



**Paper 2**

1)5/24	2)11
3)36	4)35cm <sup>2</sup>
5)North	6)\$77
7)\$3.80+\$2.70=\$6.50 1450m-1000m=450m 450m ÷ 22m=2R10 \$0.10x3=\$0.30 \$6.50+\$0.30=\$6.80 He paid \$6.80 for the taxi fare	8)2 units → 184-64=120 1 unit → 120 ÷ 2=60 60+184=244 Kelly received \$244
9)200x 3 1/2 = 200x7/2 = 700 1/5x700=140 140 athletes in Singapore is training for the YOG.	10)18x4=72 72 ÷ 3=24 24x7=168 She made 168 tarts.

<p>11) <math>5 \times 1 \text{cm} = 5 \text{cm}</math>  <math>2 \times 2 = 4 \text{cm}</math>  <math>3 \times 3 \text{cm} = 9 \text{cm}</math>  <math>9 \text{cm} + 5 \text{cm} + 4 \text{cm} = 18 \text{cm}</math></p>	<p>12) <math>\\$0.50 \times 72 = \\$36</math>  <math>\\$36.00 - \\$28.50 = \\$7.50</math>  <math>\\$0.50 - \\$0.20 = \\$0.30</math>  <math>\\$7.50 - \\$0.30 = 750\text{c} \div 30\text{c} = 25</math></p>
<p>13) 32</p>	<p>14) a) <math>2 \text{cm} \times 4 = 8 \text{cm}</math>  <math>8 \text{cm} \times 3 = 24 \text{cm}</math>  The perimeter of the rectangle is 24cm.  b) <math>24 \text{cm} \div 8 = 3 \text{cm}</math> (breath)  <math>3 \text{cm} \times 3 = 9 \text{cm}</math> (length)  <math>9 \text{cm} \times 3 = 27 \text{cm}^2</math>  The area of the rectangle is <math>27 \text{cm}^2</math></p>
<p>15) <math>105 - 3 = 102</math>  <math>102 + 6 = 108</math>  9 units <math>\rightarrow 108</math>  1 unit <math>\rightarrow 108 \div 9 = 12</math>  2 units <math>\rightarrow 12 \times 2 = 24</math>  <math>24 + 3 = 27</math>  <math>27 - 24 = 3</math>  Danny had 3 more marbles than Alan at first.</p>	<p>16) <math>\\$1.20 \times 21 = \\$25.20</math>  <math>\\$32.20 - \\$25.20 = \\$7</math>  <math>\\$7 \div 7 = \\$1</math>  <math>\\$1 + \\$1.20 = \\$2.20</math>  She saved \$2.20 on the second day.</p>
<p>17) a) </p> <p>b) <math>10 \times 2 - 1 = 20 - 1 = 19</math>  19 triangles are needed to form Figure 10.</p> <p>c) <math>10 \times 10 = 100</math>  100 squares are needed to form Figure 10.</p> <p>d) <math>50 \times 50 = 2500</math>  Figure 50 will have 2500 squares.</p>	<p>18) a) 2 units <math>\rightarrow \\$90 + \\$10 = \\$100</math>  1 unit <math>\rightarrow \\$100 \div 2 = \\$50</math>  5 units <math>\rightarrow \\$50 \times 5 = \\$250</math>  <math>\\$250 + \\$10 = \\$260</math>  Leela had \$260 at first.</p> <p>b) <math>\\$50 \times 7 = \\$350</math>  <math>\\$350 + \\$260 = \\$610</math>  The sum of money is \$610</p>