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

Name:_____(;)

Class : Primary 5 ( )

Parent's Signature : _____

Date : 18 May 2009

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

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 x 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. $36 + 24 \div 2 - 1 =$ _____

(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. $\square \div 2 \times 3 = 6$

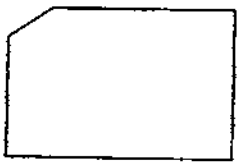
(1) 1

(2) 9

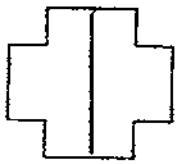
(3) 36

(4) 4

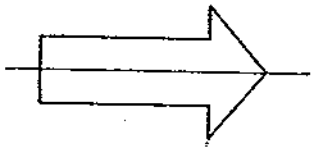
8. Which of the following figures does **not** have a line of symmetry?



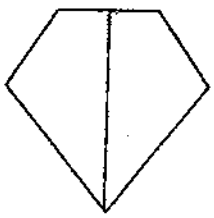
(1)



(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?

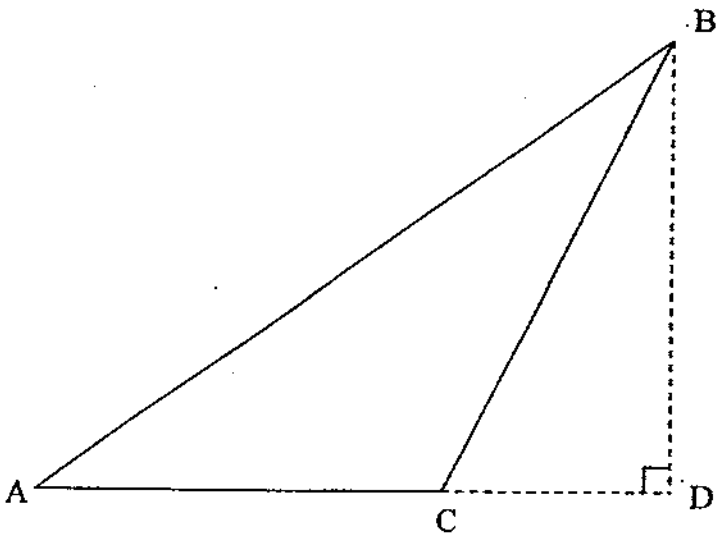
(1) \$70

(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

11. A metal rod is 20 cm long. A stick is 0.3 m long. A ruler is 15 cm long. Find the ratio of the length of the metal rod to the length of the stick to the length of the ruler. Express your answer in the simplest form.

(1) 4 : 6 : 3

(2) 4 : 60 : 3

(3) 20 : 3 : 15

(4) 200 : 3 : 150

12. Faizal has $\frac{6}{9}$ m of rope. He cut it into 3 equal parts. What is the length of each piece of rope?

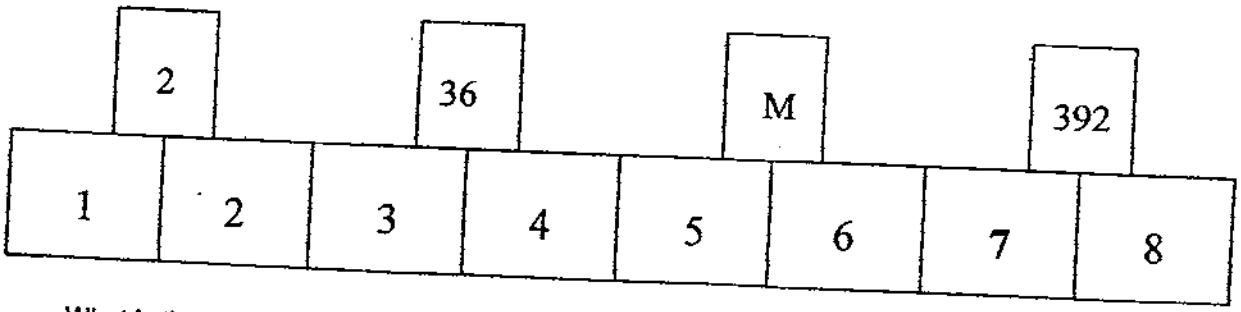
(1) $\frac{2}{3}$ m

(2) 2 m

(3) $\frac{1}{4}$ m

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

13. Look at the figure below.



What is the value of M ?

(1) 58

(2) 90

(3) 150

(4) 180

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

Name: _____( )

Class : Primary 5 ( )

Parent's Signature : _____

20

MATHEMATICS

PAPER 1

(BOOKLET B)

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. Write your answers in this booklet.
6. You are **not** allowed to use a calculator.

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. Fill in the blank.

2 647 813 = 2 000 000 + _____ + 813.

Ans: _____

17. Complete the following number pattern.

21 110 , 21 360 , 21 610, _____ , 22 110

Ans: _____

18. Form the **largest** 5-digit **even** number with the digits 3, 4, 6, 7 and 8.

Ans: _____

19. Fill in the blank with the correct mathematical symbol (+, - , x or ÷).

3 x 2 _____ 2 + 4 = 16

Ans: _____

20. $18\overline{)\boxed{?}}$ 17 R 9

What is the missing number?

Ans: _____

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

Ans: _____

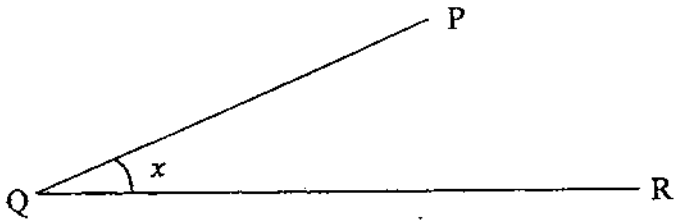
22. $\frac{5}{6} \div 3 =$ _____

Ans: _____

23. $4 : 3 =$ _____ : 36

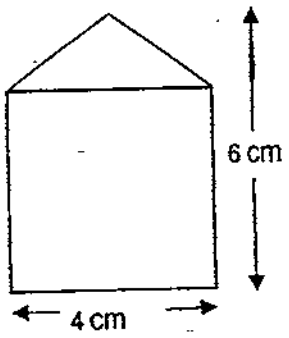
Ans: _____

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: _____ 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)

---

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

Ans: _____

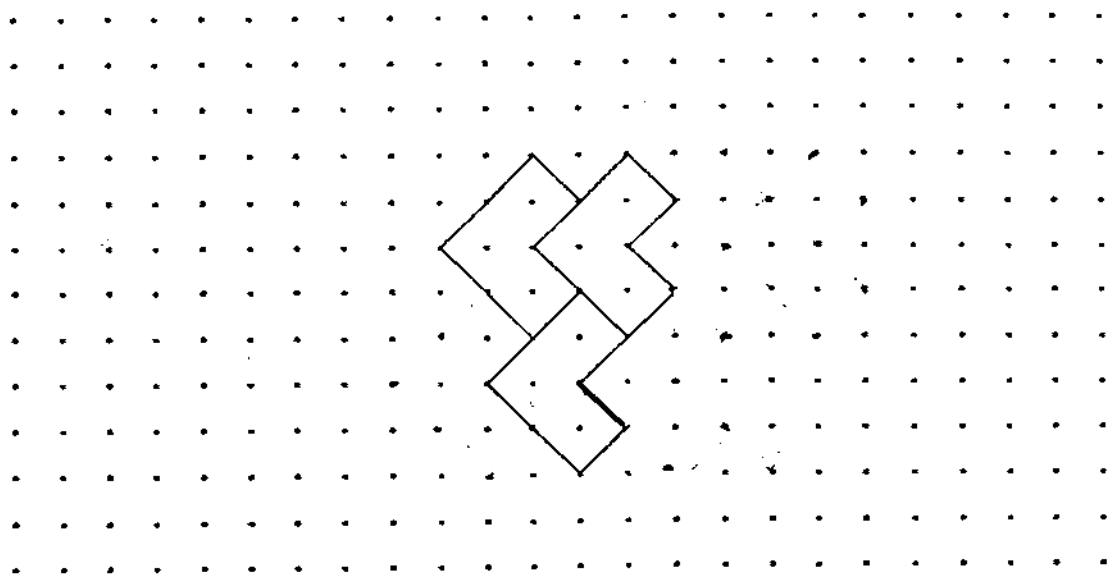
27. Ken has three times as many sweets as Mark and Mark has twice as many sweets as Richard. If Ken has 18 sweets, how many sweets does Richard have?

Ans: _____

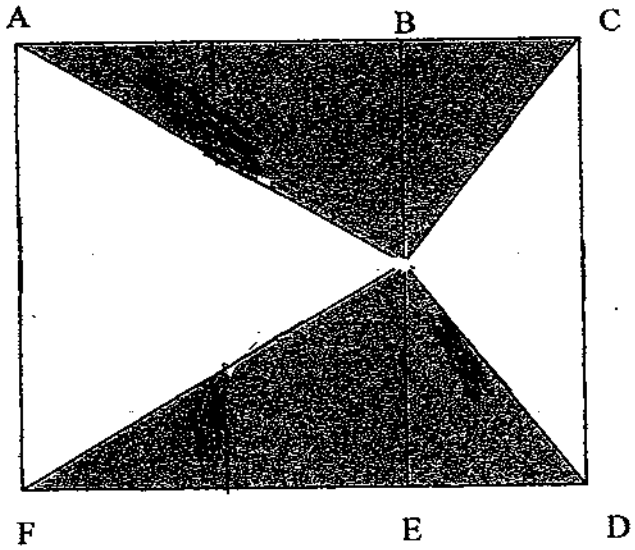
28. A van can hold 11 pupils. What is the least number of vans needed to hold 158 pupils?

Ans: _____

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



30.



ABEF and BCDE are rectangles.

What fraction of the above figure is shaded?

Ans: _____

END OF PAPER 1

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)

---

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

---

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

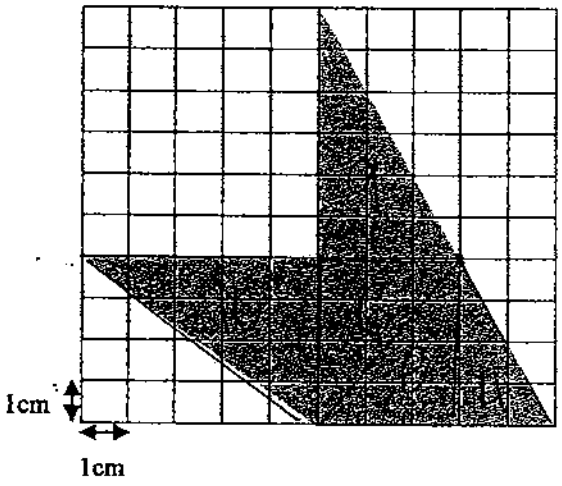
Ans: _____

---

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: _____

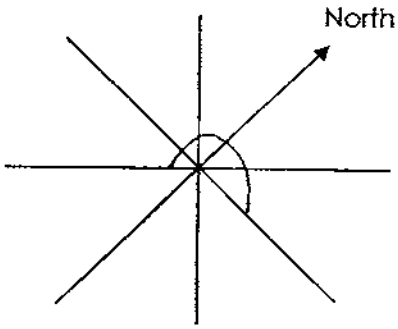
4.



Find the area of the shaded figure.

Ans: _____ cm^2

5.



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

Ans: _____

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)

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]

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 1st 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]

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]

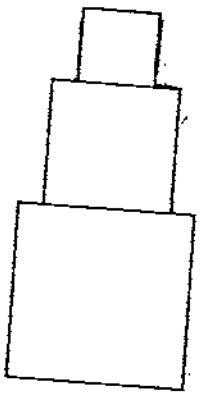
9. Brunei is training 200 athletes for the Youth Olympic Games (YOG). China is training $3\frac{1}{2}$ times as many athletes as Brunei. The number of Singapore athletes is $\frac{1}{5}$ that of China's. How many athletes is Singapore training for the YOG?

Ans: _____ [3]

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]

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



Ans: _____ [3]

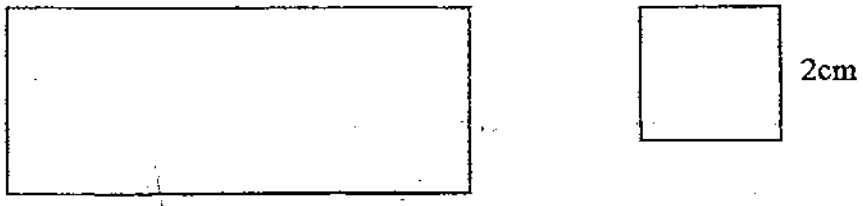
12. Rahim had 72 stamps. There were 20-cent and 50-cent stamps. The total value of all the stamps was $28.50. How many 20-cent stamps were there?

Ans: _____ [4]

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]

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

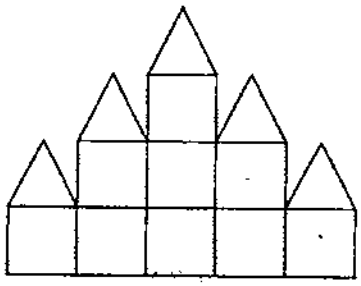


Figure 3

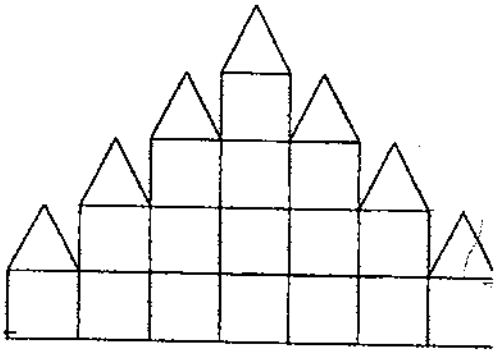
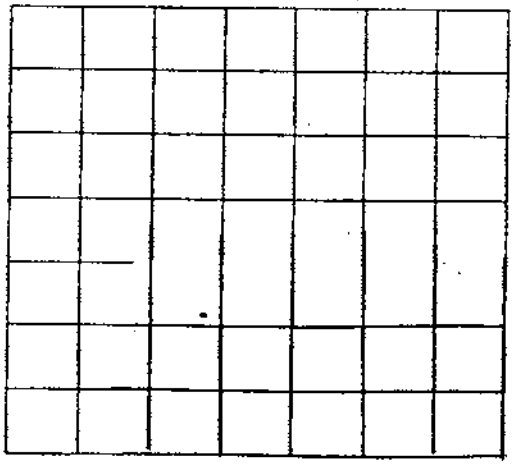


Figure 4

(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_____ [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]

END OF PAPER

ANSWER SHEET

EXAM PAPER 2009

SCHOOL : TAO NAN PRIMARY
SUBJECT : PRIMARY 5 MATHEMATICS

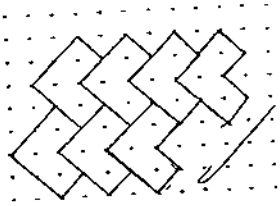
TERM : SA1

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)20cm2**

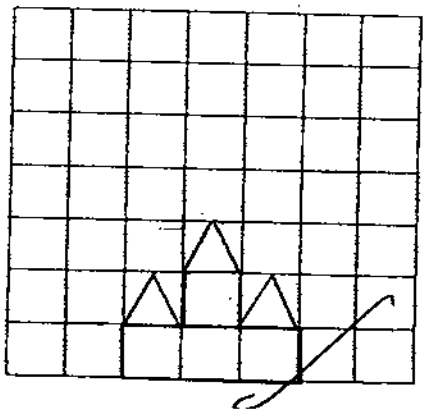
26)4350 **27)3** **28)15** **29)**



30) ½

Paper 2

1)5/24	**2)11**
3)36	**4)35cm2**
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 3½=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.**

11)5x1cm=5cm 2x2=4cm 3x3cm=9cm 9cm+5cm+4cm=18cm	12)$0.50x72=$36 $36.00-$28.50=$7.50 $0.50-$0.20=$0.30 $7.50-$0.30=750¢÷30¢ = 25
13)32	14)a)2cmx4=8cm 8cmx3=24cm The perimeter of the rectangle is 24cm. b)24cm÷8=3cm (breath) 3cmx3=9cm (length) 9cmx3=27cm2 The area of the rectangle is 27cm2
15)105-3=102 102+6=108 9 units→108 1 unit→108÷9=12 2 units→12x2=24 24+3=27 27-24=3 Danny had 3 more marbles than Alan at first.	16)$1.20x21=$25.20 $32.20-$25.20=$7 $7÷7=$1 $1+$1.20=$2.20 She saved $2.20 on the second day.
17)a)  b)10x2-1=20-1=19 19 triangles are needed to from Figure 10. c)10x10=100 100 squares are needed to from Figure 10. d)50x50=2500 Figure 50 will have 2500 squares.	18)a)2 units→$90+$10=$100 1 unit→$100÷2=$50 5 units→$50x5=$250 $250+$10=$260 Leela had $260 at first. b)$50x7=$350 $350+$260=$610 The sum of money is $610