Tao Nan School
Primary 5 Mathematics End-of-Year Examination – 2008

Name: _____ ( ) Date : 24 October 2008

Class : Primary 5 ( ) Time : 8.00 a.m. - 8.50 a.m.

Parent's Signature : _____ Marks : _____ / 100

MATHEMATICS

PAPER 1

(BOOKLET A)

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. In the numeral 7 890 134, the digit _____ is in the hundred thousands place.

   (1) 0

   (2) 7

   (3) 8

   (4) 9

2. What is the difference between the value of the digit 8 in 89 000 and 840 000?

   (1) 720

   (2) 7200

   (3) 72 000

   (4) 720 000

3. The product of 30.21 and 100 is _____.

   (1) 3021

   (2) 302.1

   (3) 30210

   (4) 0.3021

Express $\frac{16}{25}$ as a percentage.

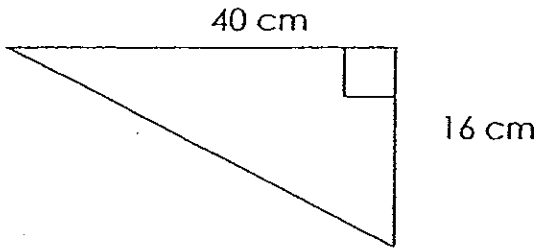
(1) 16 %

(2) 25 %

(3) 64 %

(4) 80 %

5. What is the area of the right-angled triangle below?



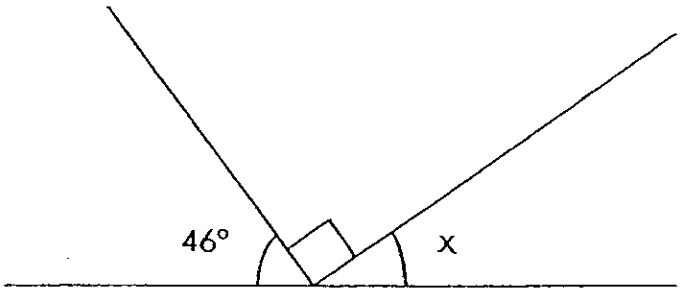
(1) 80 cm^2

(2) 160 cm^2

(3) 320 cm^2

(4) 640 cm^2

6. Find the value of $\angle x$.



(1) 44 °

(2) 46 °

(3) 134 °

(4) 136 °

7. Which of the following is **not** equal to $\frac{3}{7}$?

(1) $\frac{6}{14}$

(2) $\frac{12}{28}$

(3) $\frac{15}{35}$

(4) $\frac{18}{49}$

8. 0.4871 X 100 = 4871 ÷ _____ .

(1) 10

(2) 100

(3) 1000

(4) 10 000

9 The average of 3 numbers is 26. Two of the numbers are 11 and 21. What is the third number?

(1) 32

(2) 46

(3) 52

(4) 78

10. 0.6 is the same as _____.

(1) $\frac{6}{10}$ %

(2) 0.6 %

(3) 6 %

(4) 60 %

11. I am a number between 40 and 50. When divided by either 4 or 5, I have a remainder of 2. What number am I?

(1) 42

(2) 46

(3) 47

(4) 49

12. In a lecture hall, $\frac{1}{5}$ of the people were men and $\frac{1}{2}$ of the remainder were children. The ratio of the number of women to the total number of adults in the room is _____.

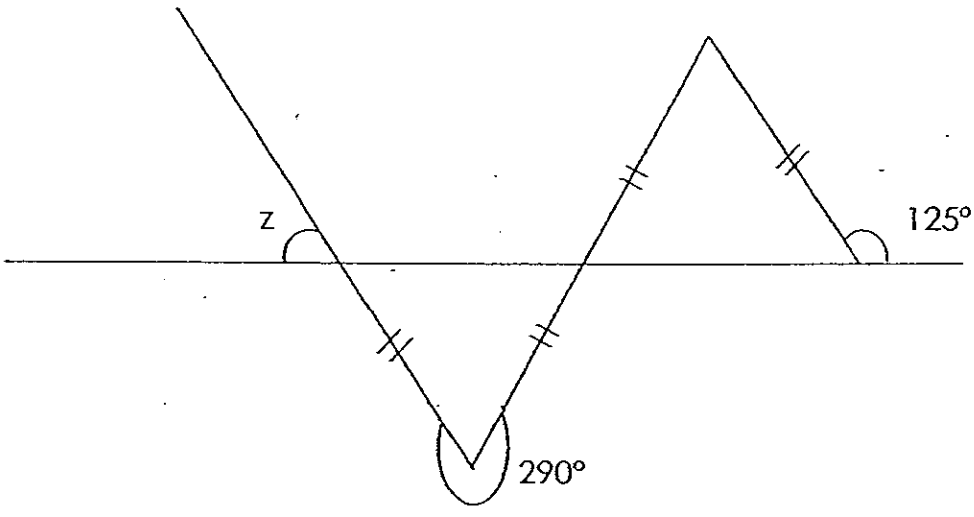
(1) 1 : 2

(2) 1 : 4

(3) 2 : 3

(4) 2 : 5

13. Find the value of $\angle z$.



(1) 25 °

(2) 55 °

(3) 57 °

(4) 70 °

14. Arrange the following in ascending order.

$$\frac{8}{9}, \frac{13}{14}, \frac{5}{6}, \frac{16}{17}$$

(1) $\frac{5}{6}, \frac{8}{9}, \frac{13}{14}, \frac{16}{17}$

(2) $\frac{5}{6}, \frac{13}{14}, \frac{8}{9}, \frac{16}{17}$

(3) $\frac{16}{17}, \frac{13}{14}, \frac{8}{9}, \frac{5}{6}$

(4) $\frac{13}{14}, \frac{8}{9}, \frac{5}{6}, \frac{16}{17}$

15. What is the maximum number of cubes of side 3 cm Lisa can put into a tank of dimensions 9 cm by 7 cm by 6 cm ?

(1) 7

(2) 12

(3) 14

(4) 42

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)

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16. In 2 134 570, the digit 4 has a value of _____.

Ans: _____

17. $\frac{?}{24} = \frac{5}{6}$

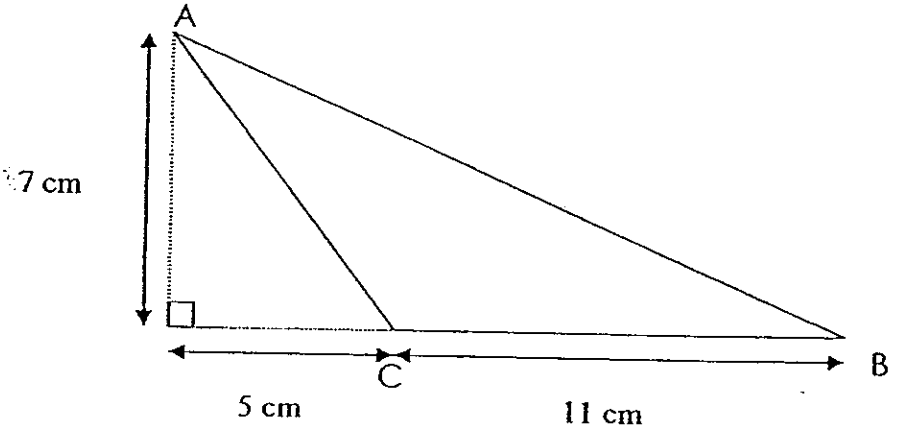
The missing number is _____.

Ans: _____

18. Find the value of 1208 ÷ 9. Express your answer to two decimal places.

Ans: _____

19. Find the area of triangle ABC.

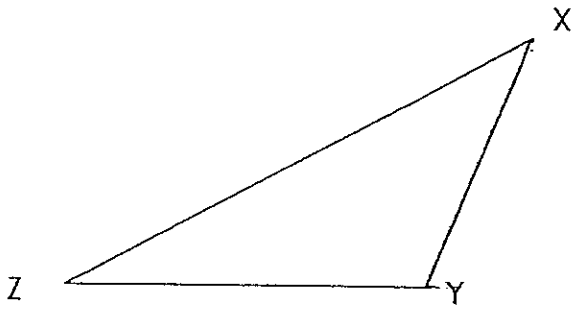


Ans: _____ cm^2

20. What is the volume of the container that measures 20 cm by 15 cm by 10cm?

Ans: _____ cm^3

21. For the triangle below, draw its height if its base is YZ.

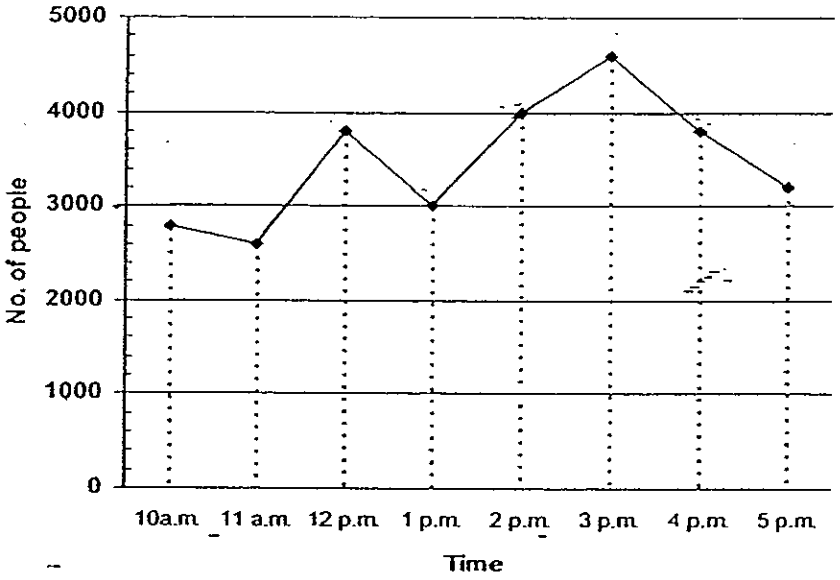


22. The table shows the marks scored by Amy for her Mid-Year Examinations. What is her average score for the 3 subjects?

Subject	Marks
English	78
Mathematics	86
Science	70

Ans: _____

Look at the graph below. It shows the number of people at a funfair. Study the graph carefully and answer questions 23 and 24.



23. At what time was the funfair most crowded?

Ans: _____

24. How many people were at the funfair at 11 am?

Ans: _____

25. What fraction of 3 km is 400 m ? Express your answer in the simplest form.

Ans: _____

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. Find the value of $189 - 36 \times 2 + (18 - 2) \div 2$.

Ans: _____

27. $\frac{2}{5}$ of a number is greater than $\frac{1}{10}$ of the number by 33. What is the number?

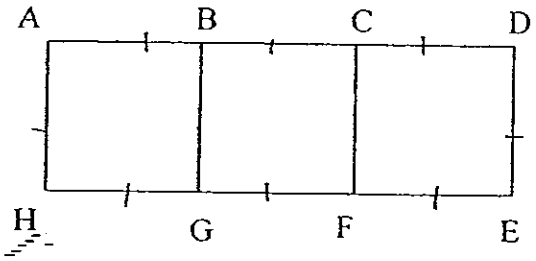
Ans: _____

28. Find the missing number.

$18 : 4 : 6 = \_\_\_\_ : 10 : 15$

Ans: _____

29. ABGH, BCFG and CDEF are similar squares. What is the perimeter of the rectangle ADEH if the area of each square is 121 cm^2?



Ans: _____cm

30. The time on the clock is 11 p.m. exactly. What time will it be if the minute hand turns 540° clockwise?

Ans: _____a.m.

END OF PAPER

Tao Nan School
Primary 5 Mathematics End-of-Year Examination – 2008

Name: _____ ( ) Date : 24 October 2008

Class : Primary 5 ( ) Time : 11.00 a.m. - 12.40 a.m.

Parent's Signature : _____ Marks : _____ / 60

MATHEMATICS
PAPER 2

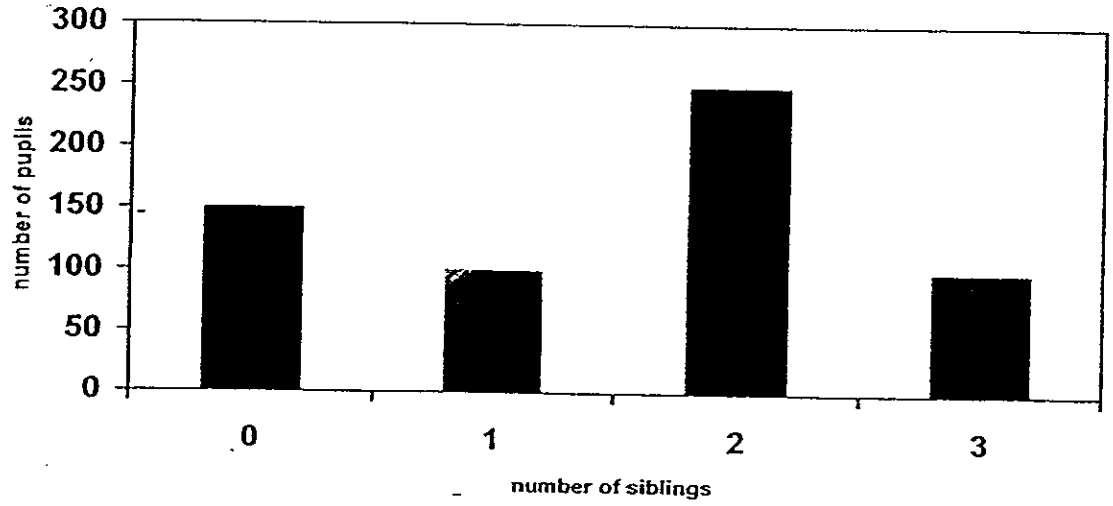
INSTRUCTIONS TO CANDIDATE

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)

The graph below shows the number of siblings each pupil has in a particular school. Study it carefully and answer questions 1 and 2.



1. How many pupils have more than 1 sibling?

Ans: _____

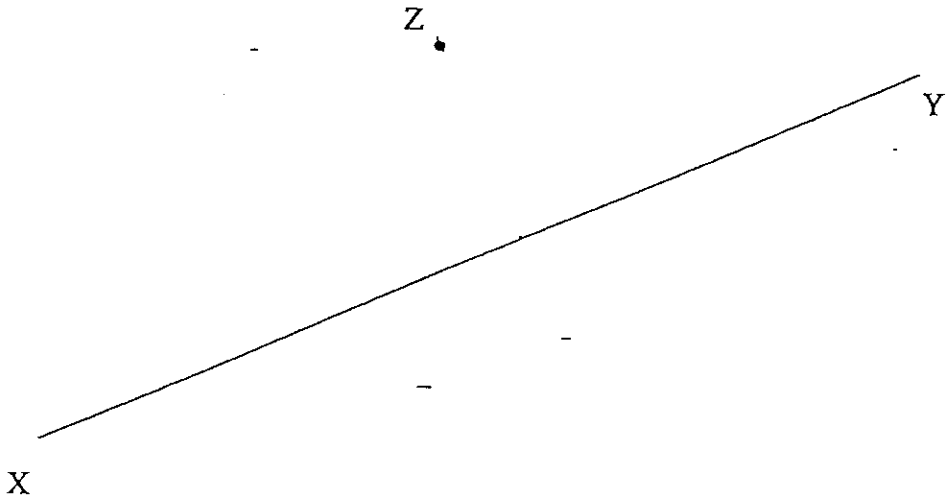
2. What is the average number of siblings each pupil has? Round off your answer to the nearest whole number.

Ans: _____

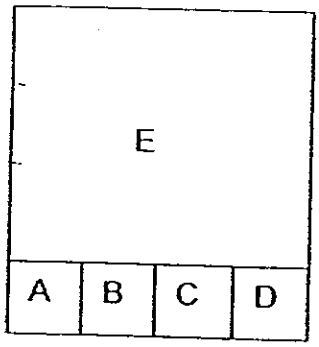
3. Zahara has a savings of $20 000 in the bank. The interest rate is 3.8% per year. How much money will she have in her bank account after a year?

Ans: $_____

4. Draw a line perpendicular to Line XY through Point Z.



5. The figure shows 5 squares A, B, C, D and E .
What fraction of the whole figure is A and B?



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)

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6. Mr Lim paid $174 for a bag and 4 pairs of shoes. The prices of the shoes are the same. A bag cost half as much as the 4 pairs of shoes. Find the cost of a pair of shoes.

Ans: _____ [3]

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7. A baker made some chocolate pies and 150 apple pies. He sold all the apple pies at $0.75 each and all the chocolate pies at $0.80 each. If he collected $128.50, how many chocolate pies did he sell?

Ans: _____ [3]

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8. Sally bought a bouquet of flowers. $\frac{1}{3}$ of them were blue and $\frac{1}{4}$ of the remainder were red. The rest were yellow. If she had 10 red flowers, how many yellow and blue flowers did she have in all?

Ans: _____ [3]

9. Peter collected 20-cent and 50-cent coins in the ratio 5 : 7. He collected 20 20-cent coins. How much money did he collect altogether?

$

Ans: _____ [3]

10. The length of a rectangle is 6 times as long as its breadth. What is the area of the rectangle if the perimeter is 168 cm?

Ans: _____ [3]

11. The average mass of 3 cows is 62 kg. The average mass of 5 sheep is 38 kg. Find the average mass of the 8 animals.

Ans: _____ [3]

12. The ratio of the number of motorcycles to the number of lorries in a car park is 5 : 7. If 24 motorcycles left the car park and 24 lorries entered the car park, there would be thrice as many lorries as motorcycles. How many motorcycles are there in the car park?

Ans: _____ [4]

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13. Mrs Koh mixed 6 litres of orange juice with 9 litres of water. Then she poured the mixture into similar rectangular containers, 12 cm long, 7 cm wide and 5 cm high. The containers were filled to the brim.

(a) How many such containers could she fill?

(b) How much of the mixture was left over?

Ans: (a) _____ [3]

(b) _____ [1]

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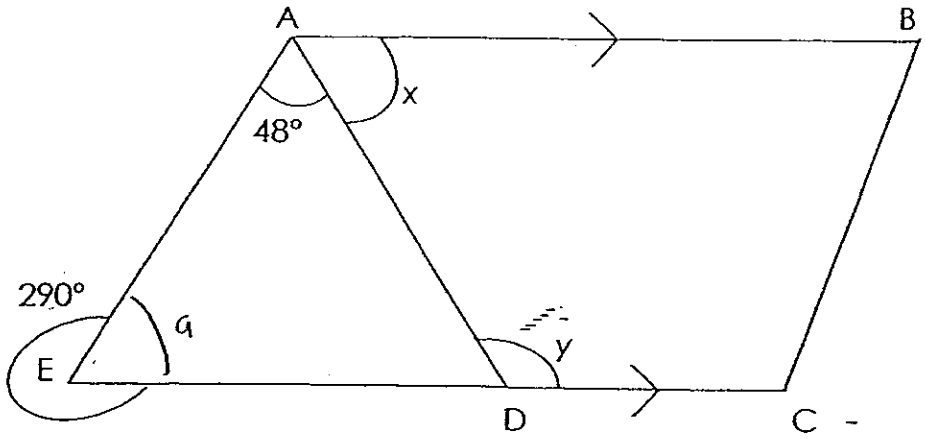
14. The figure is not drawn to scale, ABCD is a trapezium and CDE is a straight line. Find $\angle x$ and $\angle y$.



Ans: $\angle x =$ _____ [2]

$\angle y =$ _____ [2]

15. A transport company delivered 1000 vases for Mr Kumar. It charged $5.50 for every vase safely delivered. It had to pay Mr Kumar $22 for every vase broken. Mr Kumar paid a total of $5005 for the delivery. How many vases were broken?

Ans: _____ [5]

16. In a theatre, $\frac{5}{9}$ of the viewers were adults. The rest were children. $\frac{1}{5}$ of the adults were women and $\frac{3}{8}$ of the children were boys. If there were 480 more male than female viewers in the theatre, how many males were there?

Ans: _____ [5]

17. Molly and Raja had an equal number of stickers. Each day, Molly used 23 stickers and Raja used 8 more than her.

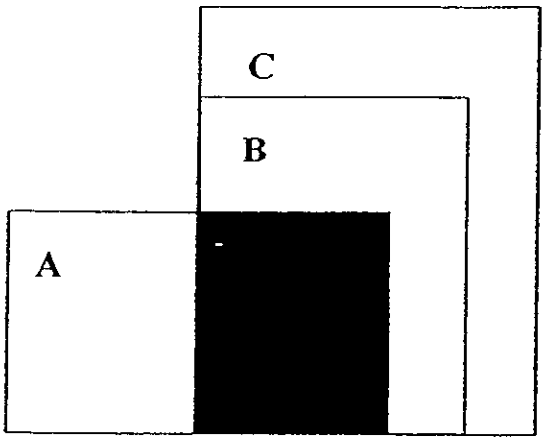
(a) How many days have passed when Raja had 53 stickers left and Molly had 149 stickers left?

(b) How many stickers did Molly have at first?

Ans: (a) _____ [3]

(b) _____ [2]

18. The figure shows 3 rectangles A, B and C. A overlaps B and C. B is on C. The ratio of the area of A to the area of B to the area of C is 2 : 2 : 3. 50% of rectangle B is shaded. What percentage of the figure is shaded?



Ans: _____ [5]

END OF PAPER

ANSWER SHEET

EXAM PAPER 2008

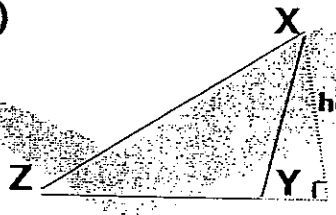
SCHOOL : TAO NAN PRIMARY SCHOOL
SUBJECT : PRIMARY 5 MATHEMATICS

TERM : SA 2

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

16)4000 17)20 18)134.22 19)38.5cm$_2$

20)3000cm$_3$ 21)



22)78

23)88cm 24)2600 people 25)2/15 26)125

27)110 28)45 29)88cm 30)12.30a.m.

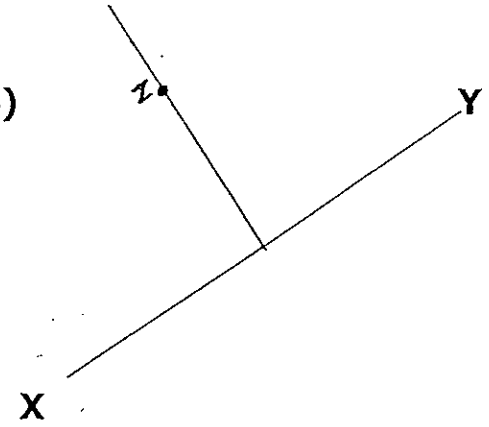
PAPER 2

1)250+100=350

2)100+500+300=900
150+100+250=600
900÷600≈2siblings

3)$\frac{3.8}{100}$ x20 000 = 760
760+20 000=$20 760

4)



5)1/10

6)Bag
Shoes

$174

174÷6=29
A pair of shoes cost $29.

7)0.75x150=112.50
128.50-112.50=16
16÷0.80=20
He sold 20 chocolate pies.

8)5x10=50
She had 50 yellow and blue flowers in all.

9)20÷5=4
4x7=28
28x0.5=14
20x0.2=4
14+4=18
He collected $18 altogether.

10)6+6+1+1=14
168÷14=12
12x6=72
72x12=864
The area of the rectangle is 864cm_2

11)62x3=186
38x5=190
190+186=376
376÷8=47
The average mass of the 8 animals is 47kg.

12)No.of Motorcycles	No.of matorcycles after 24	No.of lorries	No.of lorries after +24	
45	21	63	87	X
55	31	77	101	X
60	36	84	108	√

108÷3=36
There are 60 motorcycles in the car park.

13)a)6+9=15
12x7x5=420
15L=15000ml
=15000cm_3
15000÷420=35 5/7
She could fill 35 suck containers.
b)35x420=14700
15000-14700=300
300cm_3 was left over.

14)$\angle a=360^\circ -290^\circ =70^\circ$
$\angle x=180^\circ -48^\circ -70^\circ =62^\circ$
$\angle x$ is 62°
$\angle y=180^\circ -62^\circ =118^\circ$
$\angle y$ is 118°

15)1000x5.5=5500
5500-5005=495
5.50+22=27.50
495÷27.50=18
18 vases were broken.

16)11-7=4
480÷4=120
120x11=1320
There were 1320 males.

17)a)23+8=31
149-53=96
96÷8=12
12 days have passed.
b)12x23=276
276+149=425
Molly had 425 stickers at first.

18)Unshaded B→50%
Unshaded A→50%
50/100x2=1
Unshaded A→1 unit
Unshaded B→1 unit
C-B=3-2=1
1+1+1+1=4
¼ x100%=25%
25% of the figure is shaded.