

Name : _____ ()

Class : Primary 5 _____

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)



Primary 5 Mathematics

First Continual Assessment 2012

Paper 1

Booklet A

27 February 2012

**15 QUESTIONS
20 MARKS**

TOTAL TIME FOR BOOKLETS A AND B: 50 MINUT

INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.

Follow all instructions carefully.

Answer all questions.

The use of calculators is NOT allowed.

This booklet consists of 6 printed pages including the cover page.

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 correct oval (1, 2, 3, 4) on the Optical Answer Sheet (OAS). [20 marks]

1) In 9 378 361, what is the difference between the values of the digits 3?

(1) 297 000

(2) 299 700

(3) 300 000

(4) 303 000

2) How many hundreds are there in the product of 285 and 40?

(1) 114

(2) 1 140

(3) 11 400

(4) 114 000

3) Round off the product of 6 507 and 9 to the nearest thousand.

(1) 1 000

(2) 7 000

(3) 59 000

(4) 63 000

4) In $325\,748 = 3 \times 100\,000 + 25 \times \boxed{?} + 7 \times 100 + 48 \times 1$, what is the missing number?

(1) 100

(2) 1 000

(3) 10 000

(4) 100 000

5) What is the value of $9 \times 8 + 36 \div 4 - 17$?

(1) 10

(2) 64

(3) 82

(4) 577

6) What is the missing number?

160 945, 1 260 945, 2 360 945, 3 460 945,

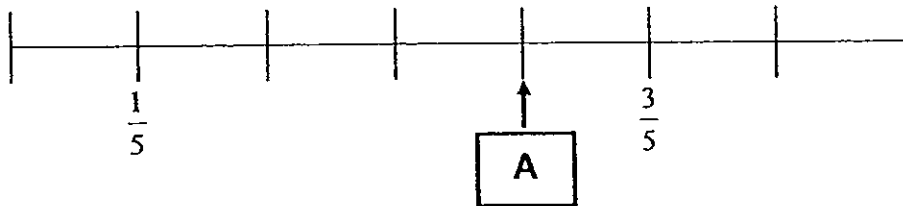
(1) 3 360 945

(2) 3 560 945

(3) 4 460 945

(4) 4 560 945

7) What is the value of A?



(1) $\frac{3}{10}$

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

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

(4) $\frac{7}{10}$

- 8) A tin contained $\frac{7}{12}$ kg of biscuits. Nick sold $\frac{1}{4}$ kg of the biscuits. How much biscuits was left in the tin?

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

(2) $\frac{1}{2}$ kg

(3) $\frac{3}{4}$ kg

(4) $\frac{5}{6}$ kg

- 9) Which one of the following is the closest estimate for $12\,786 \div 5$?

(1) $12\,000 \div 5$

(2) $12\,790 \div 5$

(3) $12\,800 \div 10$

(4) $13\,000 \div 10$

- 10) Find the sum of $\frac{5}{8}$ and $\frac{1}{6}$. Leave your answer in its simplest form.

(1) $\frac{23}{24}$

(2) $\frac{19}{24}$

(3) $\frac{22}{48}$

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

11) Ashley bought a car and paid for it in instalments. Each instalment was \$750. After paying 20 instalments, she still had to pay \$3 465. Which one of the number sentences shows the actual cost of the car?

(1) $(20 \times \$750) + \$3\,465$

(2) $(\$3\,465 - \$750) \times 20$

(3) $(20 \times \$3\,465) + \750

(4) $(\$3\,465 + \$750) \times 20$

12) The length of a rectangle is twice its breadth. Its perimeter is 306 cm. Find its length.

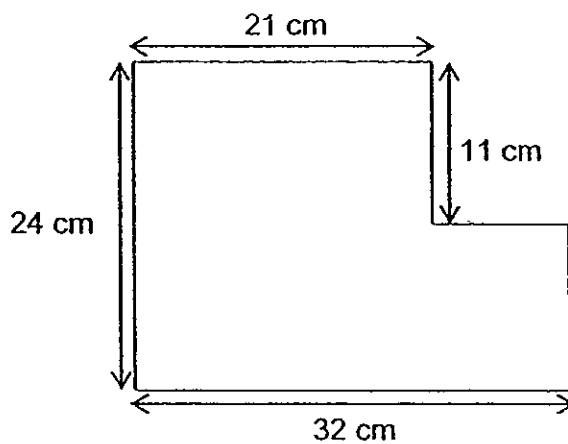
(1) 51 cm

(2) 76 cm

(3) 102 cm

(4) 152 cm

13) Find the perimeter of the figure. (Note : All the lines meet at right angles.)



(1) 88 cm

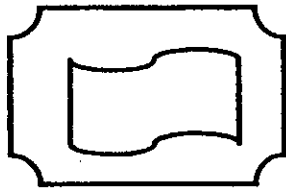
(2) 99 cm

(3) 101 cm

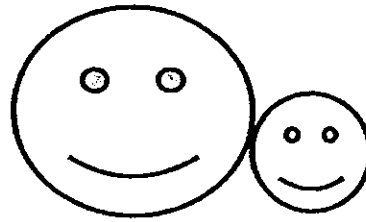
(4) 112 cm

14) Which one of the following figures is a symmetric figure?

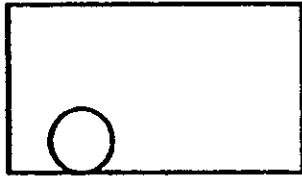
1)



2)



3)

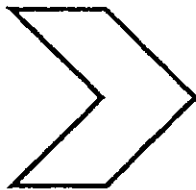


4)

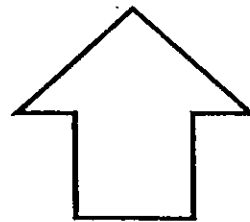


15) Which one of the unit shapes below does not tessellate?

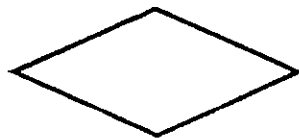
1)



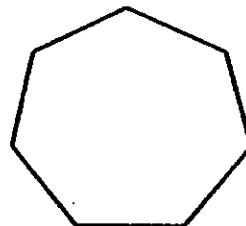
2)



3)



4)



End of Booklet A

Name : _____ ()

Class : Primary 5 _____

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)



Primary 5 Mathematics

First Continual Assessment 2012

Paper 1

Booklet B

27 February 2012

**15 QUESTIONS
20 MARKS**

TOTAL TIME FOR BOOKLETS A AND B: 50 MINUTES

INSTRUCTIONS TO CANDIDATES

DO NOT TURN OVER THIS PAGE UNTIL YOU ARE TOLD TO DO SO.
FOLLOW ALL INSTRUCTIONS CAREFULLY.
ANSWER ALL QUESTIONS.
YOU ARE NOT ALLOWED TO USE A CALCULATOR.

This booklet consists of 7 printed pages including the cover page.

Questions 16 to 25 carry 1 mark each. Write down your answers in the spaces provided. For questions which require units, give your answers in the units stated. [10 marks]

Do not write in this space.

16) Write 5 932 014 in words.

Ans : _____

17) Complete the number pattern.

7 250 814, 6 350 814, _____, 4 550 814

Ans : _____

18) Arrange the digits below to form a possible 7-digit number which is 4 678 000 when rounded off to the nearest thousand.

7	1	6	5	2	4	7
---	---	---	---	---	---	---

Ans : _____



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write in
this space.

19) Find the value of $76 + 4 + (8 - 3) \times 12$.

Ans : _____

20) How many ten thousands are there altogether in 310 000?

Ans : _____

21) In 8 176 402, what does the digit 1 stand for?

Ans : _____

22) What is the sum of 70 ten thousands and 15 hundreds?

Ans : _____



- 23) Find the sum of $\frac{2}{3}$, $\frac{1}{10}$ and $\frac{1}{6}$. Leave your answer in its simplest form.

Do not
write in
this space.

Ans : _____

- 24) What number must be added to 5 700 so that the answer is a 4-digit number with the digit 7 in the thousands place, 5 in the hundreds place and zeros in both the tens and ones places?

Ans : _____

- 25) Janice saved \$128 monthly. How much did she save in 20 months?

Ans : \$ _____



Questions 26 to 30 carry 2 marks each. Show your working clearly 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) Add the difference between 3 609 and 857 to the product of 45 and 600.
What is the answer?

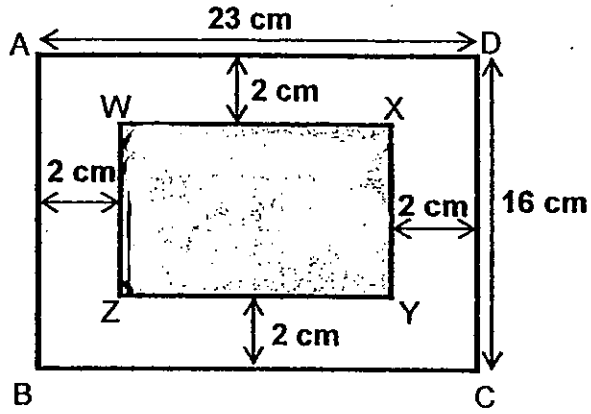
Ans : _____

- 27) The length of a rope is $\frac{7}{10}$ m. Ross used $\frac{1}{6}$ m of the rope. How many metres of rope did she have left?

Ans : _____ m



- 28) In the figure, ABCD is a rectangular piece of wood, 23 cm by 16 cm. A smaller rectangle, WXYZ, is cut out from the piece of wood. What is the area of rectangle WXYZ?



Do not write in this space.

Ans : _____ cm²



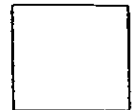
- 29) Mindy spent $\frac{3}{8}$ of her allowance on groceries. Then she spent some of it on transportation. In the end, she had $\frac{1}{6}$ of her allowance left. What fraction of her allowance did Mindy spend on transportation?

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write in
this space.

Ans : _____

- 30) Madeline baked 395 almond cookies. She packed them into 9 boxes equally. Of the remaining unpacked almond cookies, she ate half of them. How many almond cookies did she have left?

Ans : _____



End of Paper 1

Name: _____ ()

Class : Primary 5 _____

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)



Primary 5 Mathematics

First Continual Assessment 2012

Paper 2

27 February 2012

Parent's/Guardian's Signature

Paper 1	40
Paper 2	60
Total Mark	100

18 QUESTIONS

60 MARKS

TOTAL TIME FOR PAPER 2: 1 HOUR 40 MINUTES

INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.

Follow all instructions carefully.

Answer all questions.

The use of an approved calculator is expected, where appropriate.

This paper consists of 14 printed pages including the cover page.

Questions 1 to 5 carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. [10 marks]

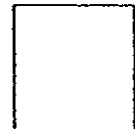
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-
- 1) Anson has \$3 730 and Brandon has \$39 355. How much must Brandon give Anson so that Anson has 4 times as much money as Brandon?

Ans : \$ _____

- 2) Mr Foo distributed \$1 288 to each of his 23 employees as bonuses. Then he had \$5 697 left. How much money did he have at first?

Ans : \$ _____



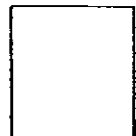
- 3) ABC Factory instructed its workers to pack 12 367 kg of sugar. In the packing process, the workers spilled 84 kg of sugar. They were then asked to pack the remaining sugar into sacks of 15 kg each. What was the maximum number of sacks of sugar that could be packed?

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this space.

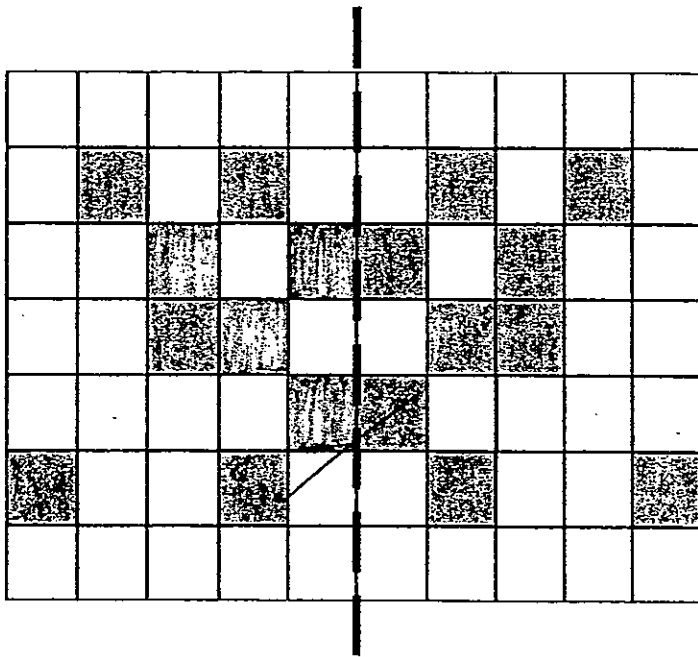
Ans : _____

- 4) Julia, Ken and Sass had \$38 282 altogether. Julia had \$1 065 more than Ken, and thrice as much as Sass. How much did Sass have?

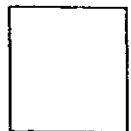
Ans : \$ _____



5) Shade 4 more boxes to complete the symmetric pattern.



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For questions 6 to 18, show your working clearly and write your answers in the spaces provided. The number of marks available is shown in the brackets () at the end of each question or part-question.
[50 marks]

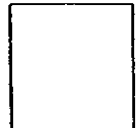
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- 6) The total mass of a carton of 24 watermelons is 25 500 g. If the mass of each watermelon is 955 g, find the mass of the empty carton. Round off your answer to the nearest thousand grams.

Ans: _____ (3 m)

- 7) Esther bought 9 T-shirts and 11 pairs of trousers for \$535. Christina bought 15 T-shirts and 11 trousers for \$613. Joanne bought 21 T-shirts. How much did Joanne pay?

Ans: _____ (3 m)



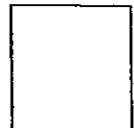
- 8) Jodie and Fred had a total of 28 800 beads. When Jodie gave 768 beads to Fred, she had 15 times as many beads as Fred. How many beads did Fred have at first?

Do not write in this space.

Ans: _____ (3 m)

- 9) Alice had $\frac{11}{12}$ kg of flour. She used $\frac{1}{4}$ kg of flour to bake some muffins and gave $\frac{1}{3}$ kg of flour to her mother. She needed another $\frac{5}{6}$ kg of flour to bake some cookies. How much more flour did she have to buy?

Ans: _____ (3 m)



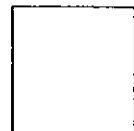
- 10) 42 girls had to make some paper cranes. One of them was absent and the rest had to make 7 more paper cranes each. How many paper cranes did the girls have to make altogether?

Do not write in this space.

Ans: _____ (3 m)

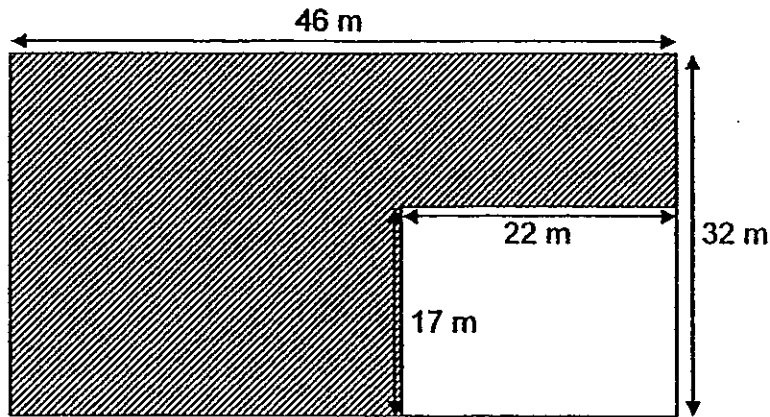
- 11) Limei mixed 2 010 ml of tomato sauce with thrice as much chilli sauce to make a special dipping sauce. She poured the dipping sauce into 40 bottles equally. How much dipping sauce would there be in each bottle? Give your answer in ml .

Ans: _____ (3m)

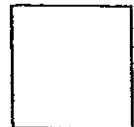


- 12) Mr Brown owns a rectangular field measuring 46 m by 32 m. He plans to cement the shaded part of the field, as shown in the figure below. Given that it costs \$47 to cement 1 m² of the field, how much does Mr Brown need to pay for cementing the shaded part of the field?

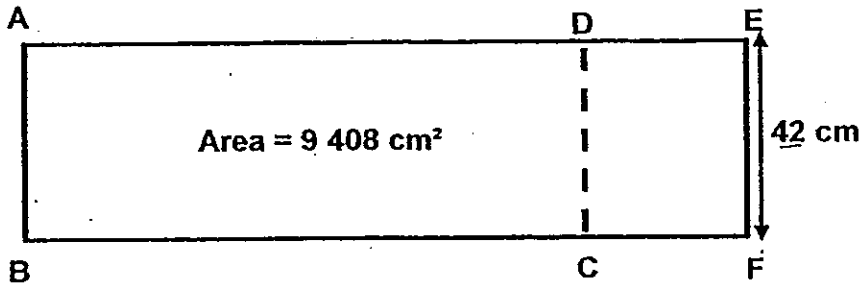
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Ans: _____ (4m)



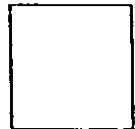
- 13) The figure is made up of 2 rectangles, ABCD and CDEF. CF is $\frac{1}{7}$ of BC and the area of rectangle ABCD is 9 408 cm².
- (a) Find the area of rectangle CDEF.
- (b) Find the perimeter of the figure.



Do not write in this space.

Ans: (a) _____ (2m)

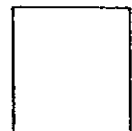
(b) _____ (2m)



- 14) Worth-to-Buy Bookshop sells pens at either \$0.75 per pen or 12 pens for \$8. Sam bought exactly 75 pens. What was the minimum amount of money that he spent on the pens?

Do not write in this space.

Ans: _____ (4m)



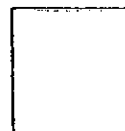
15) The table shows the charges at a carpark.

First hour	\$2.50
Every additional hour	\$1.00
Extra charge per hour after 7 p.m.	\$0.80

Lydia parked her car at the carpark from 3 p.m. to 9 p.m. on the same day. How much did she have to pay?

Do not
write in
this space.

Ans: _____ (5m)



16) Azman bought a house. He paid a deposit of \$25 000 and paid the rest of it in instalments. Each monthly instalment was \$2 186. After paying for 420 months, he still had to pay another \$155 592.

Do not write in this space.

(a) How much did the house cost?

(b) If Azman were to pay for the same house in 400 instalments instead, how much more would he have to pay each month?

Ans: (a) _____ (2m)

(b) _____ (3m)



- 17) Maggie had a square piece of land of length 250 m. She wanted to distribute the land among her mother, brother and sister. Her mother would receive a piece of land measuring 125 m by 180 m. Her sister would receive a piece of land with an area that was 4 times of what her brother received. What is the area of the land that her sister would receive?

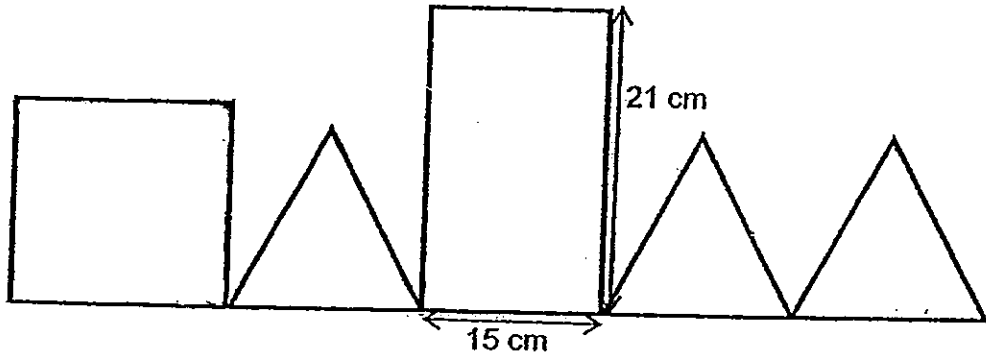
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Ans: _____ (5m)

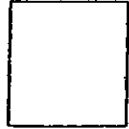


- 18) Wendy used 252 cm of wire to form the figure below. The figure is made up of a square, a rectangle and three identical triangles with equal sides. If the perimeter of the square is twice the perimeter of a triangle, what is the length of the square?

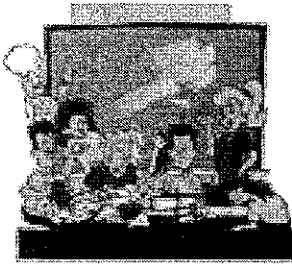
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Ans: _____ (5m)



End of Paper



ExamSutra 考试圣经

Answer Sheets

EXAM PAPER 2012

SCHOOL : CHIJ
SUBJECT : PRIMARY 5 MATHEMATICS
TERM : CA1

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

16) Five million, nine hundred and thirty-two thousand and fourteen

17) 5450814

18) 4677521

19) 79

20) 31

21) 100000

22) 701500

23) 14/15

24) 1800

25) \$2560

26) $3609 - 857 = 2752$

$600 \times 45 = 27000$

$27000 + 2752 = 29752$

The answer is 29752.

27) $7/10\text{m} - 1/6\text{m} = 21/30\text{m} - 5/30\text{m}$

$= 16/30\text{m} = 8/15\text{m}$

She had 8/15m of rope left.

28) $2\text{cm} \times 2 = 4\text{cm}$

$23\text{cm} - 4\text{cm} = 19\text{cm}$

$16\text{cm} - 4\text{cm} = 12\text{cm}$

$19\text{cm} \times 12\text{cm} = 228\text{cm}^2 \rightarrow \text{area of WXYZ}$

The area of rectangle WXYZ is 228cm²

$$29) 3/8 + 1/6 = 9/24 + 4/24$$

$$= 13/24$$

$$1 - 13/24 = 11/24$$

Mindy spend $11/24$ of her allowance.

$$30) 395 \div 9 = 43 \text{ R}8$$

$$8 \div 2 = 4$$

$$8 - 4 = 4$$

She had 4 almond cookies left.

Paper 2

$$1) \$39355 + \$3730 = \$43085$$

$$\$43085 \div 5 = \$8617$$

$$\$8617 \times 4 = \$34468$$

$$\$34468 - \$3730 = \$30738$$

Brandon must give Anson \$30738.

$$2) \$1288 \times 23 = \$29624$$

$$\$29624 + \$5697 = \$35321$$

He had \$35321 at first.

$$3) 12367 \text{kg} - 84 = 12283 \text{kg}$$

$$12283 \text{kg} \div 15 \text{kg} = 818$$

The maximum number of sacks of sugar that could be packed is 818

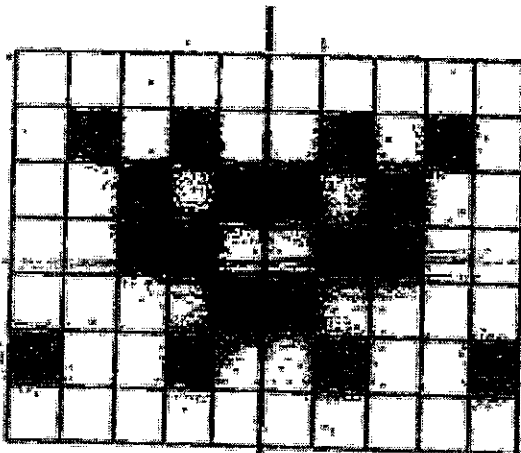
$$4) \begin{array}{|c|c|c|} \hline & & \\ \hline K & & \\ \hline S & & \\ \hline \end{array} \left. \begin{array}{l} \\ \\ \end{array} \right\} \begin{array}{l} \\ \$1065 \\ \end{array} \rightarrow \$38282$$

$$\$38282 + \$1065 = \$39347 \rightarrow 7u$$

$$\$39347 \div 7 = \$5621$$

Sass had \$5621.

5)



$$6) 955g \times 24 = 22920g$$

$$25500g - 22920g = 2580g$$

$$2580g \approx 3000g$$

The mass of the empty carton is 3000g.

$$7) 9T + 11P = \$535$$

$$15T + 11P = \$613$$

$$\$613 - \$535 = \$78 \rightarrow 6T$$

$$1T \rightarrow \$78 \div 6 = \$13$$

$$\$13 \times 21 = \$273$$

Joanne paid \$273.

$$8) 16u \rightarrow 28800$$

$$1u \rightarrow 28800 \div 16 = 1800$$

$$1800 - 768 = 1032$$

Fred had 1032 beads at first.

$$9) 11/12kg - 1/4kg - 1/3kg = 11/12kg - 3/12kg - 4/12kg$$

$$= 4/12kg = 1/3kg$$

$$5/6kg - 1/3kg = 5/6kg - 2/6kg$$

$$= 3/6kg = 1/2kg$$

Alice had to but $1/2$ kg more flour.

$$10) 42 - 1 = 41$$

$$41 \times 7 = 287 \rightarrow 1 \text{ girl}$$

$$287 \times 42 = 12054$$

The girls had to make 12054 paper cranes altogether.

$$11) 2010ml \times 3 = 6030ml$$

$$6030ml - 2010ml = 8040ml$$

$$8040ml \div 40 = 201ml$$

There would be 201ml of dipping sauce in each bottle.

$$12) 46m \times 32m = 1472m^2$$

$$22m \times 17m = 374m^2$$

$$1472m^2 - 374m^2 = 1098m^2$$

$$1098m^2 \times \$47 = \$51606$$

Mr Brown need to pay \$51606 for cementing the shaded part of the field.

$$13) a) 9408cm^2 \div 42cm = 224cm$$

$$224cm \div 7 = 32cm$$

$$32cm \times 42cm = 1344cm^2$$

The area of rectangle CDEF is 1344cm²

$$b) (224cm + 32cm + 42cm) \times 2 = 596cm$$

The perimeter of the figure is 596cm.

14) $75 \div 12 = 6 \text{ R}3$

$6 \times \$8 = \48

$3 \times \$0.75 = \2.25

$\$48 + \$2.25 = \$50.25$

He spent \$50.25 on the pens.

15) $1^{\text{st}} \text{ h} \rightarrow \2.50

$4\text{pm} \text{-----} 7\text{PM} \rightarrow 3 \times \$1 = \$3$

$7\text{pm} \text{-----} 9\text{PM} \rightarrow 2\text{h} \times \$1.80 = \$3.60$

$\$2.50 + \$3 + \$3.60 = \9.10

She had to pay \$9.10.

16)a) $\$2186 \times 420 = \918120

$\$918120 + \$25000 + \$155592 = \1098712

The house cost \$1098712

b) $\$1098172 - \$25000 = \$1073712$

$\$1073712 \div 400 = \2684.28

$\$2684.28 - \$2186 = \$498.28$

He would have to pay \$498.28 more.

17) $250\text{m} \times 250\text{m} = 62500\text{m}^2$

$125\text{m} \times 180\text{m} = 22500\text{m}^2$

$62500\text{m}^2 - 22500\text{m}^2 = 40000\text{m}^2$

$(40000\text{m}^2 \div 5) \times 4 = 32000\text{m}^2$

Her sister would receive 32000m² of the land.

18) $(15\text{cm} \times 2) + (21\text{cm} \times 2) = 72\text{cm}$

$252\text{cm} - 72\text{cm} = 180\text{cm}$

$180\text{cm} \div 5 = 36\text{cm}$ (peri of Δ)

Sq's peri $\rightarrow 36 \times 2 = 72$

$74 \div 4 = 18\text{cm}$

The length of the square is 18cm.