

Name : _____ ()

Class : Primary 5 _____

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)



Primary 5 Mathematics

2011 Continual Assessment One

Paper 1

Booklet A

28 February 2011

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.

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 3 485 279, the digit 4 is in the _____ place.
- (1) thousands (2) ten thousands
- (3) millions (4) hundred thousands
- 2) 8 497 690 is _____ more than 8 417 690.
- (1) ~~8~~ $8 \times 1\,000$ (2) ~~8~~ $8 \times 10\,000$
- (3) ~~8~~ $8 \times 100\,000$ (4) ~~8~~ $8 \times 1\,000\,000$
- 3) 500 thousands + 200 hundreds + 340 tens = _____
- (1) 500 540 (2) 503 600
- (3) 520 340 (4) 523 400
- 4) Round off 468 357 to the nearest ten.
- (1) 468 000 (2) 468 350
- (3) 468 360 (4) 468 400

5) What is the value of $530\,000 \div 100$?

(1) 53 000

(2) 5 300

(3) 530

(4) 53

6) What is the value of $38 + 4 \times 20 - 6 \times 3$?

(1) 100

(2) 336

(3) 822

(4) 2 502

7) Which of the following sets of fractions is arranged in ascending order?

~~(A)~~ $\frac{5}{8}, \frac{4}{8}, \frac{3}{8}, \frac{2}{8}$

~~(B)~~ $\frac{1}{10}, \frac{1}{8}, \frac{1}{6}, \frac{1}{7}$

~~(C)~~ $\frac{1}{2}, \frac{2}{3}, \frac{3}{4}, \frac{5}{6}$

~~(D)~~ $\frac{1}{12}, \frac{5}{6}, \frac{3}{4}, \frac{1}{3}$

8) A jug contained $\frac{3}{5}\ell$ of water. Marlene poured $\frac{1}{3}\ell$ of orange syrup into the jug to make orange juice. How much orange juice was in the jug finally?

(1) $\frac{7}{13}\ell$

(2) $\frac{4}{15}\ell$

(3) $\frac{8}{15}\ell$

(4) $\frac{14}{15}\ell$

- 9) The perimeter of a rectangle is 48 cm. If its breadth is 14 cm, find the area of the rectangle.

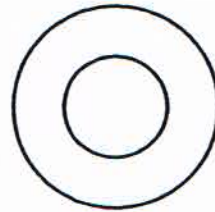
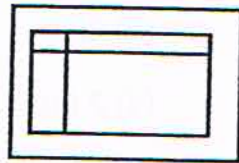
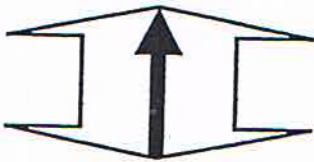
(1) 140 cm^2

(2) 280 cm^2

(3) 476 cm^2

(4) 672 cm^2

- 10) How many figures below are symmetric figures?



(1) 1

(2) 2

(3) 3

(4) 4

- 11) Mr Nathan buys a van and pays by monthly instalments. Each monthly instalment is \$900. If he still has to pay \$1 560 after paying for 80 such instalments, how much does the van cost?

(1) \$2 460

(2) \$8 760

(3) \$72 000

(4) \$73 560

- 12) Mr Zhou has 2 cartons, F and G. Carton F is 14 kg heavier than Carton G. Their total mass is 127 kg. Which one of the number sentences shows the mass of Carton F?

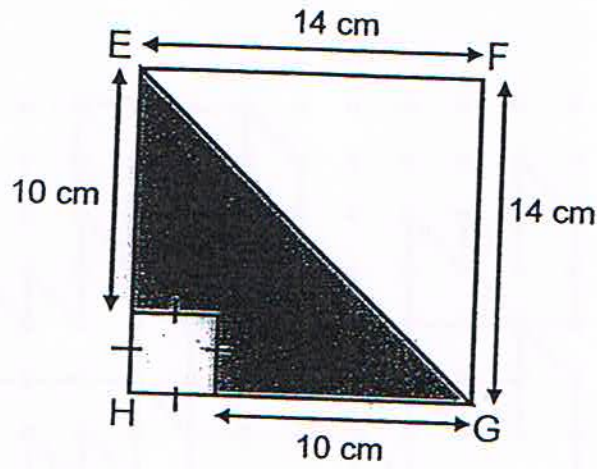
~~(1)~~ $127 + 14 \div 2$

~~(2)~~ $127 - 14 \div 2 + 14$

~~(3)~~ $(127 - 14) \div 2 + 14$


~~(4)~~ $127 + (14 \times 2) \div 2$

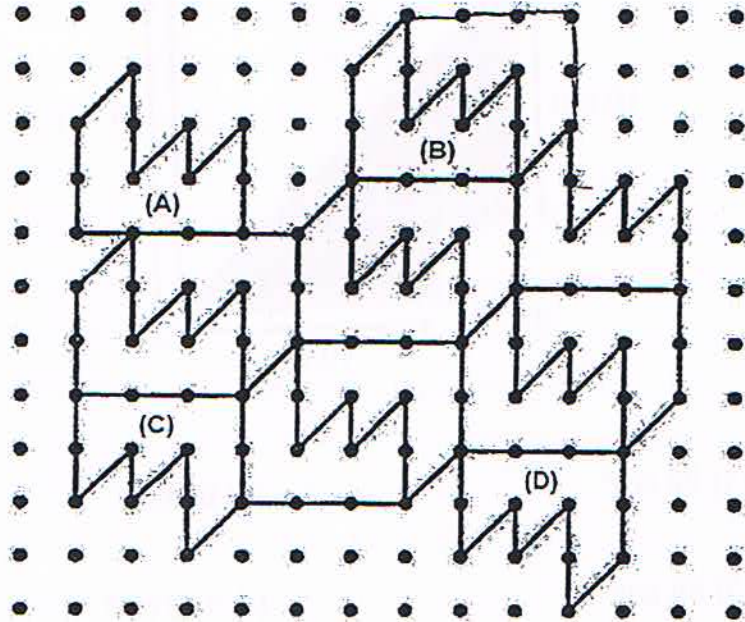
- 13) The figure below is not drawn to scale.
EFGH is a square. Find the area of the shaded part.



- (1) 82 cm^2 (2) 96 cm^2
(3) 98 cm^2 (4) 196 cm^2
- 14) Karim spent $\frac{2}{3}$ of his salary on his family and $\frac{1}{8}$ of it on himself. What fraction of his money did he have left?

- (1) $\frac{3}{24}$ (2) $\frac{5}{24}$
(3) $\frac{13}{24}$ (4) $\frac{19}{24}$

- 15) Which one of the following unit shapes  does not fit into the tessellation below?



(1) A

(2) B

(3) C

(4) D

End of Booklet A

Name : _____ ()

Class : Primary 5 _____

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)



Primary 5 Mathematics

2011 Continual Assessment One

Paper 1

Booklet B

28 February 2011

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 this:

16) Write 9 104 815 in words.

Ans : _____

17) Complete the number pattern.

1 261 850 , 1 201 850 , 1 141 850 , _____

Ans : _____

18) Arrange the numbers in descending order.

5 452 659 , 5 462 965 , 5 452 695 , 5 426 955

Ans : _____, _____, _____, _____

- 19) What is the difference between the values of the digit 6 in 461 217 and 624 537?

000

Ans : _____

- 20) Use the following digits to form the greatest 7-digit odd number.
Use each digit ONCE only.

4, 3, 8, 0, 9, 5, 2

Ans : _____

- 21) A number, when rounded off to the nearest hundred and nearest thousand, is 462 000. What is the biggest possible number?

Ans : _____

- 22) What must be added to the product of 970 and 80 to get 100 000?

Ans : _____

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- 23) There are 38 rows of desks in a hall. There are 50 desks in each row. All the desks are taken to a field to be arranged in rows of 20. How many rows of desks are there in the field?

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Ans : _____

- 24) Subtract $\frac{1}{12}$ from $\frac{2}{9}$. Express your answer in its simplest form.

Ans : _____

- 25) What is the missing number in the box?

$$\frac{2}{5} + \frac{1}{3} = \frac{33}{\boxed{?}}$$

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) The table shows the number of houses in three cities. Round off the number of houses in each city to the nearest thousand first. Then estimate the total number of houses in the three cities.

City A	179 502
City B	201 005
City C	184 544

Ans : _____

27) Aisha had \$1500. After Aisha gave \$250 to Prashin, Aisha had twice as much money as Prashin. How much money did Prashin have at first?

Ans : \$ _____



- 28) Dawn and Minny had the same number of stickers at first. After Dawn gave 24 stickers to Minny, Minny had 5 times as many stickers as Dawn. How many stickers did Minny have at first?

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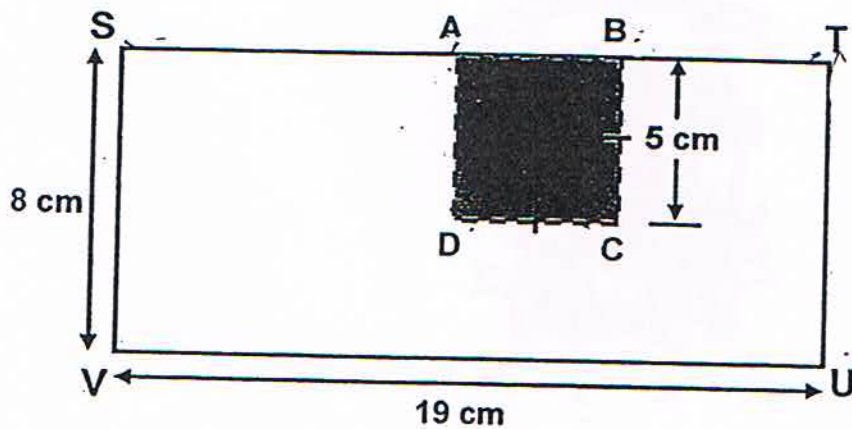
Ans : _____

- 29) Jay took $\frac{1}{4}$ h to finish his Science assignment. He took $\frac{2}{7}$ h longer than the time taken to finish his Science assignment to complete his Chinese assignment. How long did Jay take to finish all his assignments? Express your answer in its simplest form.

Ans : _____ h

- 30) The figure is not drawn to scale. In the figure, square ABCD is cut off from a rectangular cardboard STUV. Find the perimeter of the remaining cardboard.

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Ans : _____ cm

End of Paper 1



Name: _____ ()

Class : Primary 5 _____

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)



Primary 5 Mathematics

2011 Continual Assessment One

Paper 2

28 February 2011

Paper 1	40
Paper 2	60
Total Mark	100

Parent's/Guardian's Signature

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 booklet consists of 15 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) A factory produces 34 000 T-shirts every day. The T-shirts are packed into boxes of 100 each. At this rate, how many boxes of T-shirt can the factory produce in 7 weeks? Round off your answer to the nearest hundred boxes.

Ans : _____

- 2) After Keith drank $\frac{1}{8}\ell$ of water from his water bottle, he filled it up with $\frac{1}{3}\ell$ water. If there was $\frac{2}{3}\ell$ of water in his water bottle in the end, how much water did his water bottle contain at first?

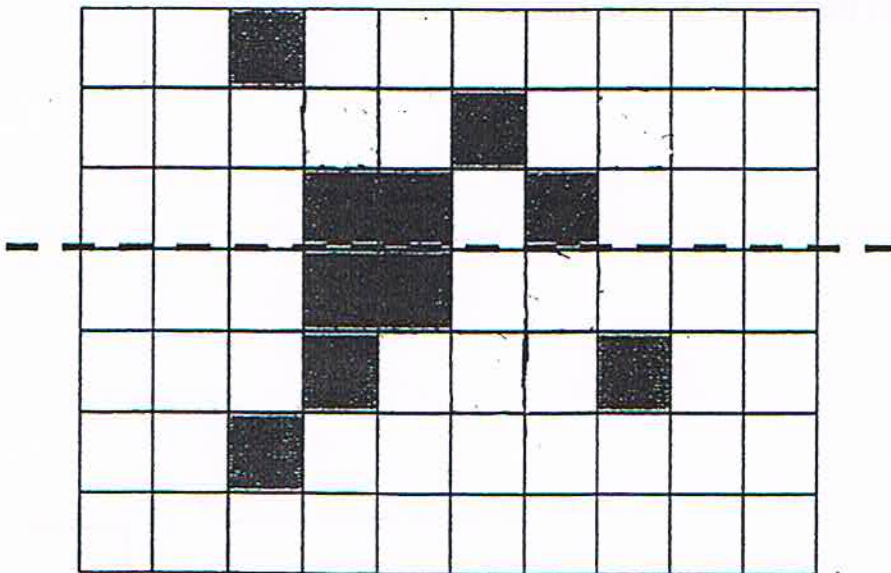
Ans : _____ ℓ

- 3) Marlene buys a packet of coloured strips of paper to fold paper grasshoppers. Each paper grasshopper requires 3 strips of paper. If she folds 15 paper grasshoppers per day, the strips of paper can last 12 days. How many days will the same packet of coloured strips of paper last if she folds 10 paper grasshoppers a day?

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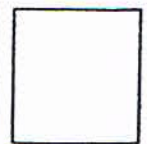
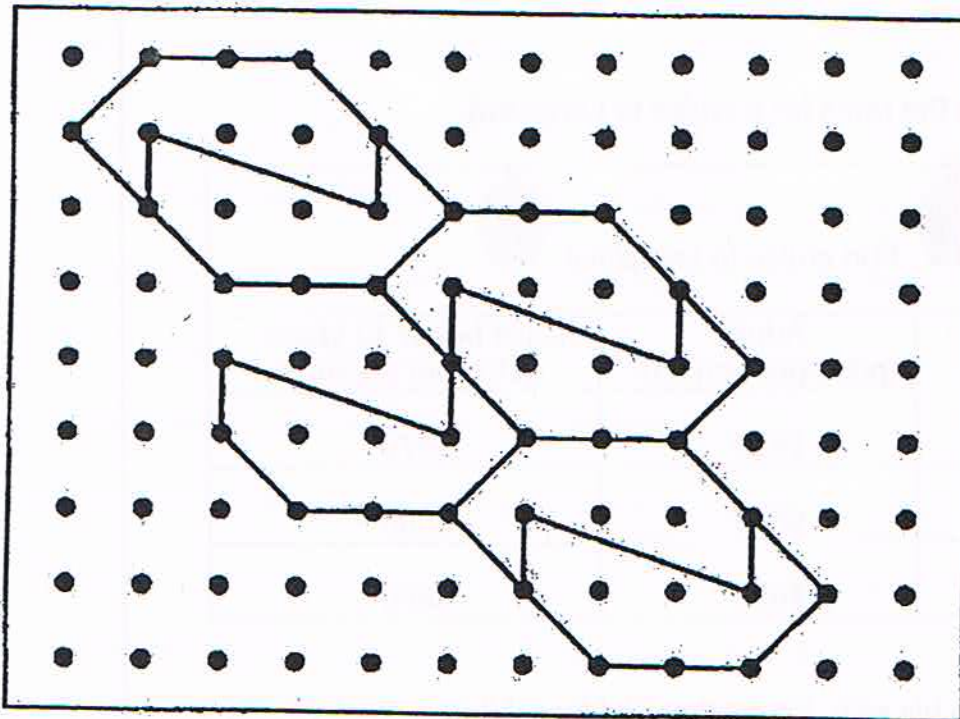
Ans : _____

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



- 5) The pattern in the box shows part of a tessellation. Draw another two unit shapes to extend the tessellation.

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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 table shows the rates for a cruise to Langkawi.

 Fun cruise to Langkawi 		
Types of room	Adult (price per person)	Child below 12 years (price per person)
Standard	\$650	\$370
Superior	\$850	\$680
Deluxe	\$988	\$850

Mr William plans to take his wife, his mother and two children aged 10 and 14 on the cruise. If he were to take the superior room, how much would he have to pay for the whole family? Round off your answer to the nearest hundred dollars.

Ans: _____ (3 m)

- 7) Mrs Jerine has \$ 1 200. She wants to buy a set of 3 thumbdrives that cost \$86. What is the maximum number of thumbdrives that she can buy with all her money?

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Ans: _____ (3 m)

-
- 8) In a computer games competition, Angelina, Ruby and Ben scored a total of 1277 points. Angelina scored 158 fewer points than Ruby. Ben scored thrice as many points as Ruby. How many fewer points did Angelina score than Ben?

Ans: _____ (3 m)



- 9) Jeff paid \$ 4 773 for 6 identical printers and 3 identical cameras. Ron bought 4 such printers and 6 such cameras and paid \$ 5 002 in all. What is the cost of each printer?

Do not
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this space

Ans: _____ (3 m)

-
- 10) Mdm Tan has 2 children, Jayden and Danica. In 2011, Mdm Tan is 9 times as old as Jayden. Danica is $\frac{1}{3}$ of Mdm Tan's age. The sum of the two children's age is 24. How old will Mdm Tan be in 2018?

Ans: _____ (3 m)

- 11) Hendrik arranged five coloured vases, red, blue, yellow, green and pink, in the same row, one behind the other. He did not place the pink and red vases behind or in front of each other as they were of similar shade of colour. He placed the pink vase at the end of the row as it was the tallest vase. How many different ways could Hendrik arrange the vases?

Do not
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Ans: _____ (3m)



- 12) Jolly and Pauline spent \$1 450 altogether on Christmas gifts while Harry and Jolly spent \$2 658 altogether. If Harry spent thrice as much as Pauline, how much did Jolly spend?

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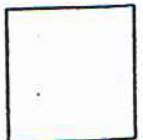
Ans: _____ (4m)



- 13) For every watch that Leelo sells, he is paid \$7. He is also paid a bonus of \$12 for every 5 watches that he sells. If Leelo earns a total of \$ 155, how many watches would he have sold?

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Ans: _____ (4m)



14) There are some pupils rehearsing for a performance in an auditorium. $\frac{1}{2}$ of the pupils are practising singing and $\frac{1}{6}$ of them are doing dance steps. The remaining 72 pupils are playing their musical instruments.

Do not write in this space.

- (a) How many pupils are there in the auditorium?
(b) If there are 24 more girls than boys rehearsing for the performance, how many girls are there in the auditorium?

Ans: (a) _____ (2m)

(b) _____ (2m)



- 15) Tasha bought an equal number of apples and melons. Every 5 apples were sold for \$2.40 and every 2 melons were sold for \$7. If Tasha spent \$120.80 more on melons than on apples, how many apples and melons did she buy in all?

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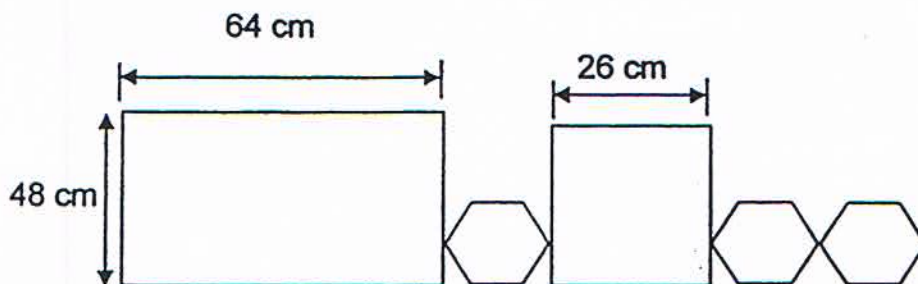
Ans: _____ (5 m)



16) The figure is not drawn to scale. It is made up of a rectangle, a square and three identical hexagons. Jordano had 814 cm of wire. He used some of it to make the figure and was left with 378 cm of wire.

Do not write in this space

- (a) Given that all the sides of each hexagon are the same, what is the length of each side of the hexagon ?
- (b) If Jordano used all the remaining wire to make identical hexagons as the ones below, how many more hexagons could he make?



Ans: (a) _____ (3m)

(b) _____ (2m)



- 17) The table shows the cost of sending parcels to Malaysia.

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Mass step not over	Postage
First 25 g	95 ¢
Per additional step of 10 g	40 ¢

- (a) Jian Sheng posted a parcel with a mass of 80 g to his friend. How much did he pay for the postage?
- (b) If Jian Sheng paid \$9.35 for posting another parcel to Jimmy, his cousin, find the mass of the parcel.

Ans: (a) _____ (2m)

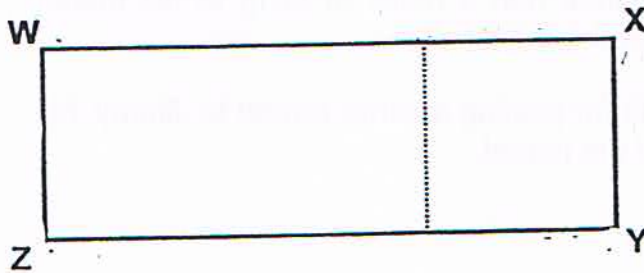
(b) _____ (3m)



18) The figure WXYZ below shows a floor which is made up of a rectangle and a square. The area of the square is 64 m^2 .

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this space.

- (a) If the area of the rectangle is twice that of the square, find the perimeter of the floor.
- (b) Given that it costs \$26 to tile 1 m^2 , how much does it cost to tile the whole floor completely?



Ans: a) _____ (3m)

b) _____ (2m)



End of Paper



ANSWER SHEET

EXAM PAPER 2011

SCHOOL : CHIJ
SUBJECT : PRIMARY 5 MATHEMATICS

TERM : CA1

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

16) Nine million, one hundred and four thousand, eight hundred and fifteen

17) 1081850

18) 5462965, 5452695, 5452659, 5426955

19) 540000

20) 9854203

21) 462049

22) 22400

23) 95

24) $5/36$

25) 45

26) 566000

27) \$375

28) 36

29) $11/14h$

30) 64cm

Paper 2

1) 1 week \rightarrow 7 days

7 weeks \rightarrow 49 days

$340 \times 49 = 16660$

$16660 \approx 16700$

The factory can produce about 16700 T-shirts.

2) $16/24 - 8/24 = 8/24$

$8/24 + 3/24 = 11/24$

His water bottle contained $11/24L$ of water at first.

3) $15 \times 3 = 45$ (strips of paper a day)

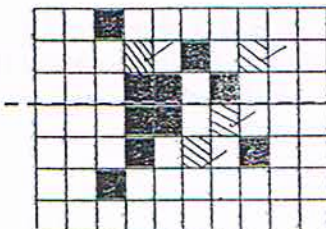
$45 \times 12 = 540$ (no. of strips packet contains)

$10 \times 3 = 30$

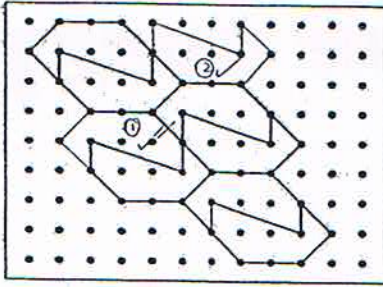
$540 \div 30 = 18$

The packet can last 18 days.

4)



5)



6) $\$850 \times 4 = \3400

$\$3400 + \$680 = \$4080$

$\$4080 \approx \4100

He would have to pay about \$4100.

7) $1200 \div 86 = 13R82$ (13 sets, \$82 remaining)

$13 \times 3 = 39$

The maximum number of thumbdrives she can buy is 39.

8) $158 \times 4 = 632$

$1277 - 632 = 645$

$645 \div 5 = 129$ (A)

$129 \times 3 = 387$

$158 \times 3 = 474$

$474 + 387 = 861$ (B)

$861 - 129 = 732$

Angelina scored 732 points fewer than Ben.

9) $6P + 3C \rightarrow \$4773$

$12P + 6C \rightarrow \$4773 \times 2 = \9546

$4P + 6C \rightarrow \$5002$

$12 - 4 = 8$

$8P \rightarrow \$9546 - \$5002 = \$4544$

$1P \rightarrow \$4544 \div 8 = \568

10) $4u \rightarrow 24$

$1u \rightarrow 24 \div 4 = 6$

$9u \rightarrow 6 \times 9 = 54$

$2018 - 2011 = 7$

7 years later $\rightarrow 54 + 7 = 61$

Mdm Tan would be 61 years old.

11) RBYGP

RBGYP

RGBYP

RGYBP

RYGBP

RYBGP

BRYGP

BRGYP

BGRYP

~~BGYRP~~

~~BYGRP~~

BYRGP

YRBGP

YRGBP

YGRBP

~~YGBRP~~

~~YBGRP~~

YBRGP

GRBYP

GRYBP

GYRBP

~~GYBRP~~

GBRYP

~~GBYRP~~

$6 + 4 + 4 + 4 = 18$

Hendrik could arrange them in 18 different ways.

12) $\$2658 - \$1450 = \$1208$ (2p)
 $\$1208 \div 2 = \604 (p)
 $\$1450 - \$604 = \$846$ (Jolly)
 Jolly spent \$846.

13) $\$155 \div \$47 = 3R14$ (3sets)
 $3 \times 5 = 15$
 $14 \div 7 = 2$
 $15 + 2 = 17$
 Leelo sold 17 watches.

14)a) $\frac{1}{2} = \frac{3}{6}$
 $\frac{3}{6} + \frac{1}{6} = \frac{4}{6}$
 $1 - \frac{4}{6} = \frac{2}{6}$ (72)
 $72 \div 2 = 36$ ($\frac{1}{6}$)
 $36 \times 6 = 216$
 There are 216 pupils in the auditorium.
 b) $216 - 24 = 192$
 $192 \div 2 = 96$ (Boys)
 $96 + 24 = 120$
 There are 120 girls.

15) No. of apples	Amt	No. of melons	Amt	Diff in Amt	✓/x
100	\$48	100	\$350	\$302	x
50	\$24	50	\$175	\$151	x
30	\$14.40	30	\$105	\$90.60	x
40	\$19.20	40	\$140	\$120.80	✓

$40 + 40 = 80$
 She bought 80 fruits in all.

16)a) $26 \times 4 = 104$ (perimeter of sq)
 $48 \times 2 = 96$
 $64 \times 2 = 128$
 $128 + 96 = 224$ (perimeter of rect)
 $224 + 104 = 328$
 $328 + 378 = 706$
 $814 - 706 = 108$ (3 hexagons)
 1 Hexagons \rightarrow 6 sides
 3 hexagons \rightarrow 18 sides
 $108 \div 18 = 6$
 The length of each side is 6cm.
 b) 1 hexagon \rightarrow 36cm (6x6)
 $378 \div 36 = 10R18$
 He could make 10 more hexagons.

17)a) $80 - 25 = 55$

$55 \div 10 = 5R5$

$40¢ \times 6 = 240¢$

$240¢ + 95¢ = 335¢$

$= \$3.35$

Jian Sheng paid \$3.35.

b) $935¢ - 95¢ = 840¢$ (worth of 10g added)

$840¢ \div 40¢ = 21$

$21 \times 10g = 210g$

$210g + 25g = 235g$

The mass is 235g.

18)a) $64m^2 \rightarrow 8m \times 8m$

$64m^2 \times 2 = 128m^2$ (area of rect.)

$128m^2 \div 8m = 16m$ (L of rect.)

$16m + 8m = 24m$ (L of floor)

$24m \times 2 = 48m$

$8m \times 2 = 16m$

$48m + 16m = 64m$

The perimeter is 64m.

b) $64m^2 + 128m^2 = 192m^2$ (area of floor)

$192m^2 \times \$26 = \4992

It costs \$4992 to tile the whole floor completely.