

Test: Primary 6 Maths (Term 1) - Nan Hua

Points: 78 points

Name: _____

Score: _____

Date: _____

Signature: _____

Select multiple choice answers with a cross or tick:

- Only select one answer
- Can select multiple answers

Question 1 of 50

Primary 6 Math (Term 1) 1 pt

Section A (20 marks)

There were 416 820 visitors to a tourist attraction last year. Express this number to the nearest ten thousand

- _____
- A) 400 000
- B) 420 000
- C) 417 000
- D) 410 000

Question 2 of 50

Primary 6 Math (Term 1) 1 pt

What does the digit 2 in 3 728 459 stand for?

- _____
- A) 2 hundreds
- B) 2 thousands
- C) 20 thousands
- D) 200 thousands

Question 3 of 50

Primary 6 Math (Term 1) 1 pt

A is 3 times of B, and B is 3 times of C. What is the ratio of A:B:C?

- A) 3:01:01
- B) 3:03:01
- C) 9:01:03
- D) 9:03:01

Question 4 of 50

Primary 6 Math (Term 1) 1 pt

A sum of money is divided among Ali, Bala and Calvin in the ratio of 3:4:5. Calvin receives \$80 more than Ali, what is the sum of money?

- A) \$120
- B) \$192
- C) \$480
- D) \$960

Question 5 of 50

Primary 6 Math (Term 1) 1 pt

Which of the following has the same value as $\frac{4}{5} \div 3$?

- A) $\frac{4}{5}$ of 3
- B) 3 times of $\frac{5}{4}$
- C) 4 times of $\frac{5}{3}$
- D) $\frac{1}{3}$ of $\frac{4}{5}$

Question 6 of 50

Primary 6 Math (Term 1) 1 pt

Express 68% as a fraction

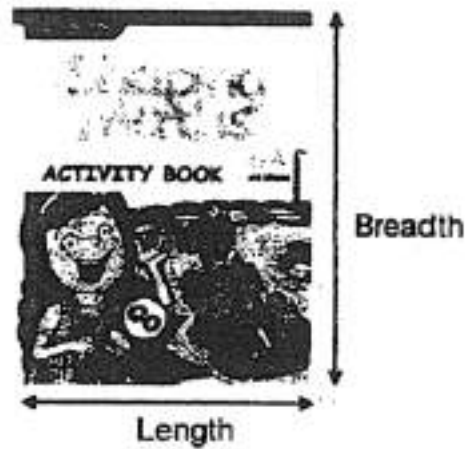
Question 7 of 50

Primary 6 Math (Term 1) 1 pt

The picture below shows a Math Activity Book, not drawn to scale.

What is the best estimate of its actual length and breadth?

	Length (cm)	Breadth (cm)
(1)	12	20
(2)	22	28
(3)	42	50
(4)	52	68



- A) 1
- B) 2
- C) 3
- D) 4

Question 8 of 50

Primary 6 Math (Term 1) 1 pt

The table below shows the parking charges at a carpark in a shopping mall.

Time	Parking Charges
First hour	\$2.50
Every additional half hour	\$1.20

Mr Li parked his car at the carpark from 8.00 a.m. to 11.15 a.m.

How much did he pay?

- A) \$6.10
- B) \$7.30
- C) \$7.90
- D) \$8.50

Question 9 of 50

Primary 6 Math (Term 1) 1 pt

Find the value of $10.5 - 6.42$

Question 10 of 50

Primary 6 Math (Term 1) 1 pt

Elaine had 40 hair clips and Dora had 64 hair clips. Elaine gave Dora 24 hair clips. What was the new ratio of the number of Elaine's hair clips to the number of Dora's hair clips? Give your answer in simplest form

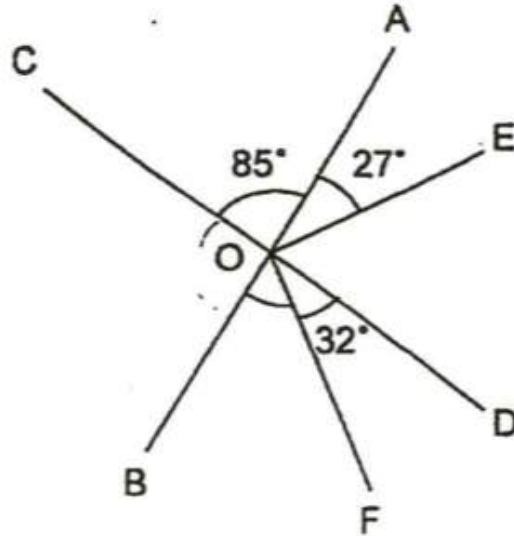
- A) 2:11
- B) 11:02
- C) 5:11
- D) 11:05

Question 11 of 50

Primary 6 Math (Term 1)

1 pt

AB and CD are straight lines. $\angle COA = 85^\circ$, $\angle AOE = 27^\circ$ and $\angle DOF = 32^\circ$. Find $\angle BOF$.

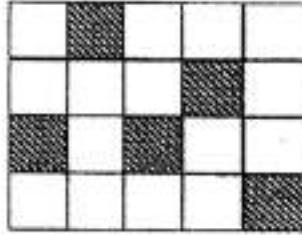


- A) 53
 B) 58
 C) 68
 D) 80

Question 12 of 50

Primary 6 Math (Term 1) 1 pt

The figure below shows 20 squares. How many more squares must be shaded so that 40% of the figure is unshaded?



- A) 7
- B) 8
- C) 12
- D) 13

Question 13 of 50

Primary 6 Math (Term 1) 1 pt

Find the value of $4 + \frac{2}{3}$.

Question 14 of 50

Primary 6 Math (Term 1) 1 pt

The table below shows the original price and the sale price of a dress.
Find the percentage change in price.

Original Price	Sale Price
\$150	\$120

- A) 20%
- B) 25%
- C) 80%
- D) 125%

Question 15 of 50

Primary 6 Math (Term 1) 1 pt

Express 0.8 as a percentage

- A) 0.01%
- B) 0.08%
- C) 8%
- D) 80%

Question 16 of 50

Primary 6 Math (Term 1) 1 pt

Jack is $\frac{5}{6}$ as heavy as Jill. What is the ratio of Jill's mass to their total mass?

- A) 5:06
- B) 6:05
- C) 5:11
- D) 6:11

Question 17 of 50

Primary 6 Math (Term 1) 1 pt

Winnie had $\frac{3}{8}$ as many dolls as Lindy. Lindy gave half of her dolls to Winnie.

What was the ratio of the number of Winnie's dolls to the number of Lindy's dolls in the end?

-
- A) 7:08
 B) 7:04
 C) 3:04
 D) 4:07

Question 18 of 50

Primary 6 Math (Term 1) 1 pt

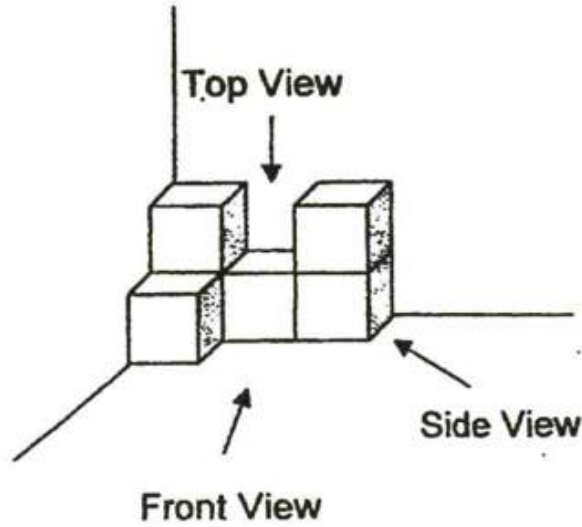
20% of a group of children are boys. Given that there are 40 boys, how many children are there in the group?

-
- A) 8
 B) 32
 C) 160
 D) 200

Question 19 of 50

Primary 6 Math (Term 1) 0 pts

Study the following solid. Draw its top view on the square grid provided below.



Top View						

Please press "done" to proceed to the next question

Question 20 of 50

Primary 6 Math (Term 1) 2 pts

Devi bought some red and blue beads to make a necklace.

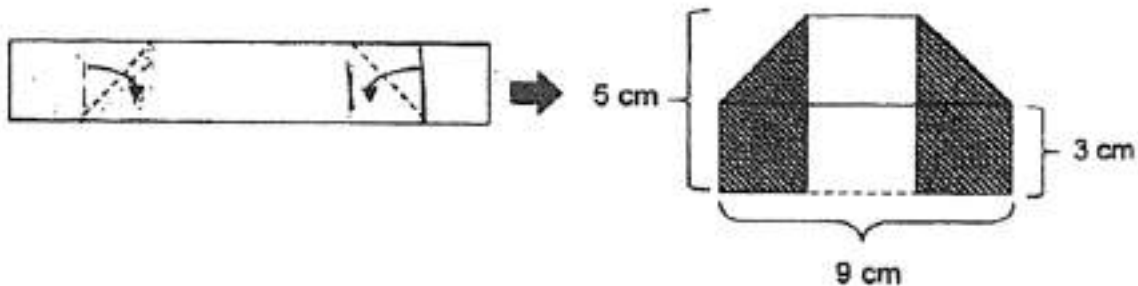
The ratio of the number of red beads to the number of blue beads is $3 : 5$. After making the necklace, the ratio of the number of red beads to the number of blue beads became $2 : 5$. A total of 21 red beads and $\frac{2}{3}$ of the blue beads were used to make the necklace.

How many red and blue beads did Devi buy altogether?

Question 21 of 50

Primary 6 Math (Term 1) 2 pts

Clara folded a piece of rectangular paper into the following shape as shown below. Find the area of the rectangular paper.



Question 22 of 50

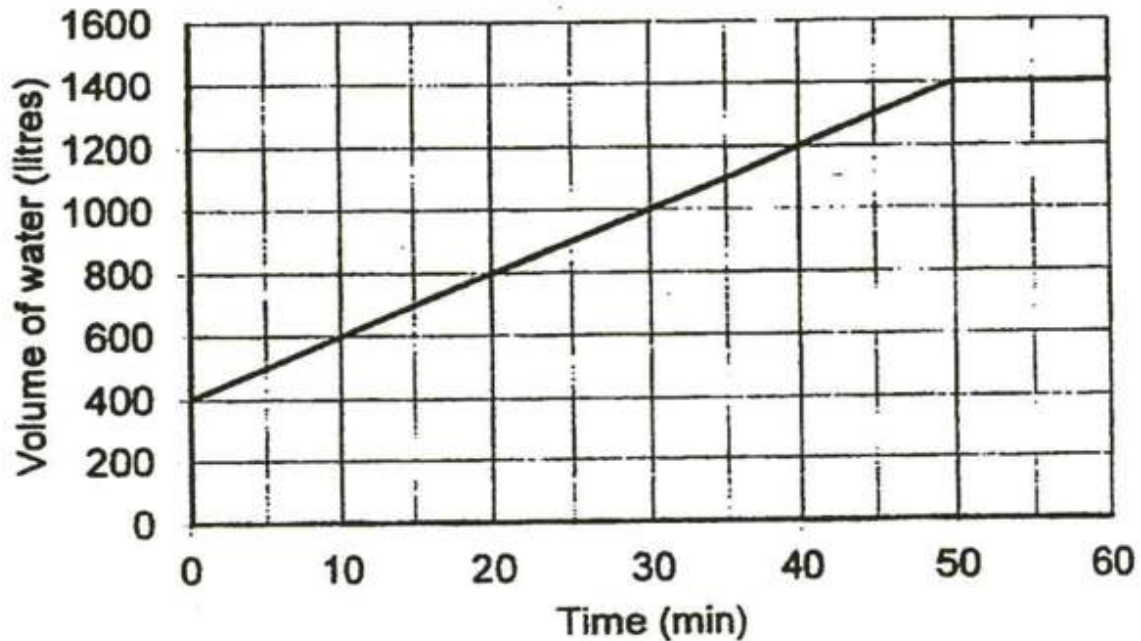
Primary 6 Math (Term 1) 1 pt

Find the value of $\frac{2}{3} + \frac{4}{5}$. Give your answer in the simplest form.

Question 23 of 50

Primary 6 Math (Term 1) 2 pts

A rectangular tank was filled with some water. A tap was turned on for 60 minutes for more water to flow into the tank. The line graph shows the volume of water in the tank over the 60 minutes.



Study the graph above carefully and answer the following questions. Fill in your answer in the table below.

Question	Answer
a) What was the amount of water in the tank before the tap was turned on?	litres

Question 24 of 50

Primary 6 Math (Term 1) 2 pts

b) What was the capacity of the tank?

Question 25 of 50

Primary 6 Math (Term 1) 2 pts

Xavier, Yan and Zac wanted to buy a toy. Xavier agreed to pay 40% of the cost of the toy while Yan agreed to pay 30% of the remaining amount. The balance will be paid by Zac. A few days later, they bought the toy. However, the price of the toy increased by 20%. As a result, Xavier paid \$60 for his share.

(a) How much did the toy cost before the price increase?

Question 26 of 50

Primary 6 Math (Term 1) 2 pts

b) How much did Zac pay for the toy?

Question 27 of 50

Primary 6 Math (Term 1) 1 pt

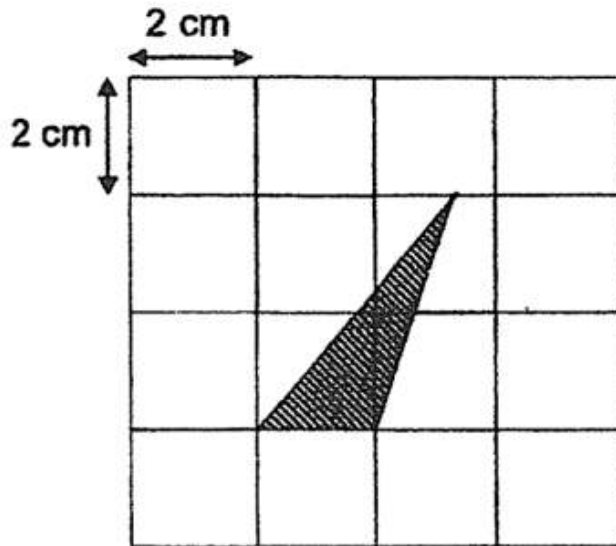
Find the missing number in the box

12:15=__:25

Question 28 of 50

Primary 6 Math (Term 1) 2 pts

A triangle is shown in the square grid below. What is the area of the shaded triangle?

**Question 29 of 50**

Primary 6 Math (Term 1) 2 pts

On an excursion, there was 1 teacher to each group of 20 pupils. There were 180 pupils in total. How many teachers were there on the excursion?

Question 30 of 50

Primary 6 Math (Term 1) 2 pts

35% of a number is 70. What is 50% of the number?

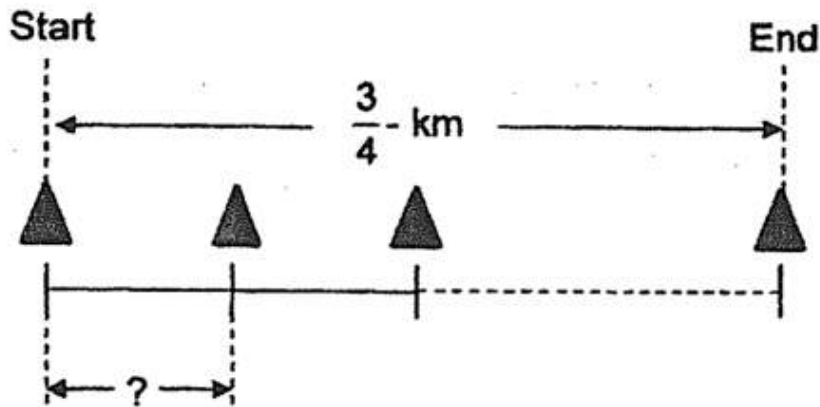
Question 31 of 50

Primary 6 Math (Term 1) 2 pts

10 cones were placed at an equal distance apart on a $\frac{3}{4}$ - km path.

How far apart was each cone?

Express your answer as a fraction in the simplest form.



Question 32 of 50

Primary 6 Math (Term 1) 2 pts

For every 5 keychains that Angel buys, she gets 1 keychain free. Angel needs to get 80 keychains, what is the least number of keychains she has to buy?

Question 33 of 50

Primary 6 Math (Term 1) 2 pts

Samuel had some coins. The number of ten-cent coins was $\frac{2}{5}$ the number of twenty-cent coins. Samuel took out 10 twenty-cent coins from the bag and exchanged them for ten-cent coins of equal value. The ratio of the number of ten-cent coins to the number of twenty-cent coins became 8: 5. How many twenty-cent coins and ten-cent coins did he have at first?

Question 34 of 50

Primary 6 Math (Term 1)

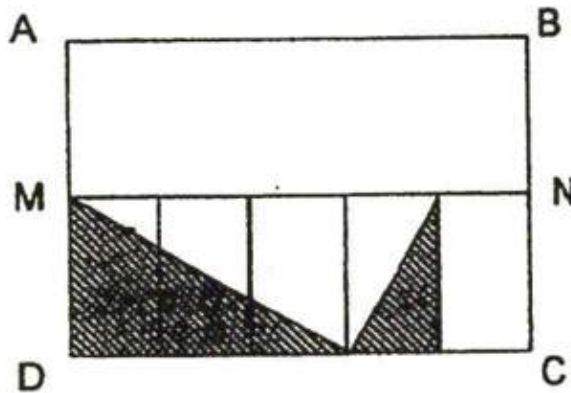
2 pts

The figure is made up of two identical rectangles **ABNM** and **MNCD**.

Rectangle **MNCD** is made up of 5 identical smaller rectangles.

What fraction of Figure **ABCD** is shaded?

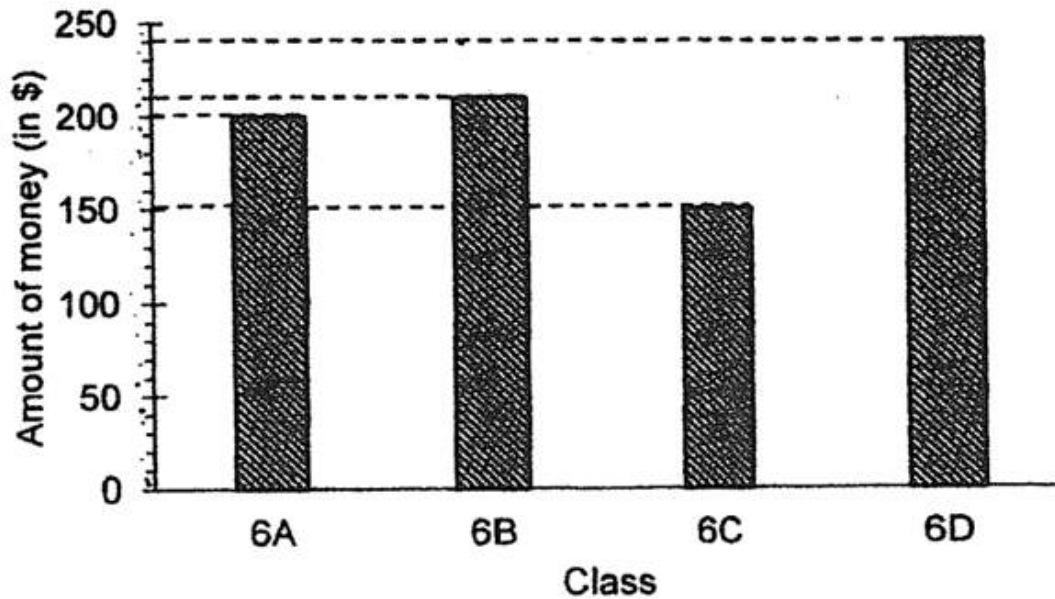
Give your answer in the simplest form.



Question 35 of 50

Primary 6 Math (Term 1) 2 pts

The bar graph shows the amount of money collected from a charity event by four Primary 6 classes.



a) What was the total amount of money collected by the four classes?

Question 36 of 50

Primary 6 Math (Term 1) 2 pts

b) Class 6E collected \$275 from the charity event. What was the average amount of money collected by the five classes?

Question 37 of 50

Primary 6 Math (Term 1) 2 pts

There are 42 children in a class. 40% of the boys and 50% of the girls likes to eat vegetables. There are 19 children who like to eat vegetables. Find the number of boys in the class.

Question 38 of 50

Primary 6 Math (Term 1) 2 pts

There are 30 coins in a bag. They consist of twenty-cent and fifty-cent coins. The total value of the coins is \$9.30. How many twenty cent coins are there?

Question 39 of 50

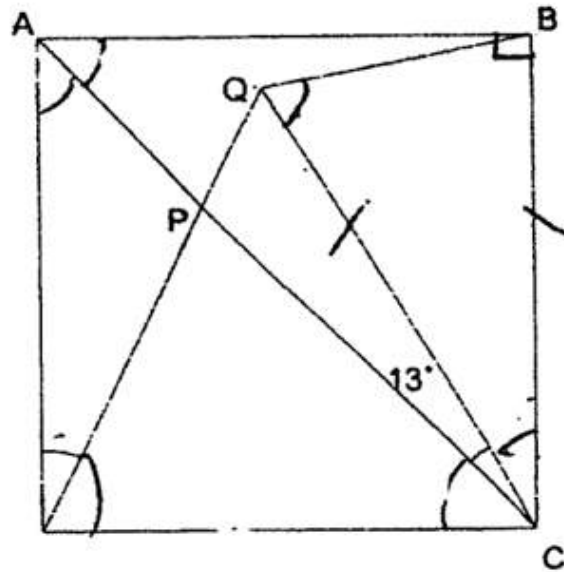
Primary 6 Math (Term 1) 2 pts

Ali has 210 balls. 20% of them are red. How many red balls must he buy so that 30% of the total balls are red balls?

Question 40 of 50

Primary 6 Math (Term 1) 2 pts

ABCD is a square. QPD and APC are straight lines. $QC = BC$ and $\angle PCQ = 13^\circ$. Find $\angle ADQ$.



Question 41 of 50

Primary 6 Math (Term 1) 2 pts

Find every 5 apples that Carl gets, Alan gets 7. Alan get 35 apples. How many apples does Carl get?

Question 42 of 50

Primary 6 Math (Term 1) 2 pts

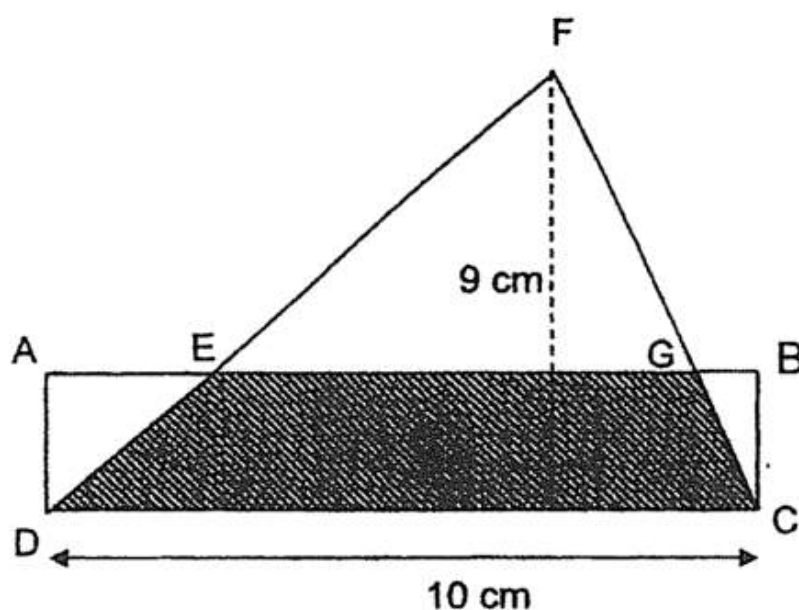
A florist had 66 more stalks of roses than tulips. She sold $\frac{1}{3}$ of the roses and $\frac{3}{5}$ of the tulips. She sold 74 more tulips than roses.

How many roses and tulips did she have left?

Question 43 of 50

Primary 6 Math (Term 1) 2 pts

In the figure, ABCD is a rectangle. DC = 10 cm and the height of triangle DFC is 9 cm. The area of the shaded part EGCD is $\frac{5}{9}$ the area of triangle DFC and the area of the shaded part EGCD is $\frac{5}{6}$ the area of rectangle ABCD. Find the length of BC.



Question 44 of 50

Primary 6 Math (Term 1) 2 pts

Mrs Amos had a packet of flour. She used 20% of the flour to make some cupcakes and 60% of the remaining flour to bake some cookies. What percentage of the flour was left?

Question 45 of 50

Primary 6 Math (Term 1) 2 pts

Damien's scores for 5 games are shown in the table below.

Game	1 st	2 nd	3 rd	4 th	5 th
Score	5	10	0	8	17

Find his average score.

Question 46 of 50

Primary 6 Math (Term 1) 2 pts

Alan had some cards and he gave some to two friends, Ben and Carl.

Alan first gave $\frac{1}{3}$ of his cards and 8 more cards to Ben.

Alan then gave $\frac{3}{4}$ of the remainder to Carl and 2 more cards.

In the end, Alan was left with 46 cards. How many cards did Alan have at first?

Question 47 of 50

Primary 6 Math (Term 1) 2 pts

Jane bought $\frac{4}{5}$ m of ribbon. She cut the ribbon equally into shorter pieces of $\frac{1}{4}$ m each. What is the length of the remaining piece?
Give your answer as a fraction in the simplest form.

Question 48 of 50

Primary 6 Math (Term 1) 2 pts



Mr Rahmat bought a set of sofa and a bed from Nan Hua Furniture Shop.
The discounted price of the set of sofa was \$240 less than the usual price.
The discounted price of the bed was \$180 less than the usual price.
How much did he pay altogether?

Question 49 of 50

Primary 6 Math (Term 1) 2 pts

The breadth of a rectangle is $\frac{2}{3}$ of its length.

The perimeter is 60 cm. Find the area of the rectangle.

Question 50 of 50

Primary 6 Math (Term 1) 2 pts

$\frac{1}{3}$ of Ray's money is the same as $\frac{2}{5}$ of Henry's money.

What is the ratio of Ray's money to Henry's money?
