

**Test:** (2020) Primary 6 Math (Term 2) - Nanyang

**Points:** 58 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 58**

Primary 6 Math (Term 2) 1 pt

Simplify the following algebraic expression

$$34 + 9a - a + 5a$$

- A)**  $3a + 34$
- B)**  $6a + 43$
- C)**  $13a + 34$
- D)**  $15a - 34$

**Question 2 of 58**

Primary 6 Math (Term 2) 1 pt

What is the value of  $58 \times 1000$ ?

- A)** 580 000
- B)** 58 000
- C)** 5800
- D)** 580

## Question 3 of 58

Primary 6 Math (Term 2) 1 pt

Joseph used  $\frac{2}{3}$  ℓ of water and  $\frac{1}{10}$  ℓ of syrup to make a drink. He spilled  $\frac{1}{3}$  ℓ of the drink. How much drink did he have left?

 A)

$$1\frac{3}{30} \text{ ℓ}$$

 B)

$$\frac{27}{30} \text{ ℓ}$$

 C)

$$\frac{13}{30} \text{ ℓ}$$

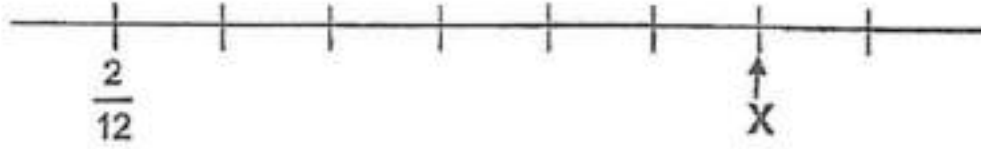
 D)

$$\frac{7}{30} \text{ ℓ}$$

## Question 4 of 58

Primary 6 Math (Term 2) 1 pt

In the number line below, what is the value of X as indicated by the arrow?



- A)  $\frac{7}{12}$
- B)  $\frac{2}{3}$
- C)  $\frac{3}{4}$
- D)  $\frac{5}{6}$

## Question 5 of 58

Primary 6 Math (Term 2) 1 pt

Which one of the following expressions will give a value of  $\frac{3}{8}$ ?

A)

$$\frac{1}{4} \times \frac{3}{4}$$

B)

$$\frac{2}{4} \times \frac{1}{4}$$

C)

$$\frac{2}{4} \times \frac{1}{2}$$

D)

$$\frac{3}{4} \times \frac{1}{2}$$

## Question 6 of 58

Primary 6 Math (Term 2) 1 pt

Ding Wei packed  $\frac{5}{8}$  kg of sweets equally into 10 bags. What was the mass of the sweets in each bag?

 A)

$$\frac{5}{80} \text{ kg}$$

 B)

$$\frac{8}{50} \text{ kg}$$

 C)

$$\frac{50}{8} \text{ kg}$$

 D)

$$\frac{80}{5} \text{ kg}$$

## Question 7 of 58

Primary 6 Math (Term 2) 1 pt

Which of the following is the same as 312cm?

 A) 0.312m B) 3.12m C) 31.2m D) 31 200m

**Question 8 of 58**

Primary 6 Math (Term 2) 1 pt

Find the value of  $703.1 \div 100$ 

- 
- A) 7.031
- B) 7.31
- C) 70.31
- D) 70310

**Question 9 of 58**

Primary 6 Math (Term 2) 1 pt

Express  $\frac{18}{25}$  as a percentage.

- 
- A) 18%
- B) 36%
- C) 72%
- D) 90%

**Question 10 of 58**

Primary 6 Math (Term 2) 1 pt

Which of the following is likely to be the length of 1 ten-dollar Singapore note?

- 
- A) 1.42cm
- B) 14.2cm
- C) 1.42m
- D) 14.2m

**Question 11 of 58**

Primary 6 Math (Term 2) 1 pt

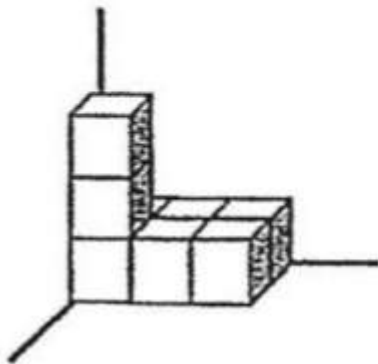
The original price of a watch was \$200. The price was reduced to \$160 during a sale. What was the percentage decrease in the price of the watch?

- A) 20%
- B) 25%
- C) 40%
- D) 80%

**Question 12 of 58**

Primary 6 Math (Term 2) 1 pt

How many unit cubes are used to build the solid below?



- A) 5
- B) 6
- C) 7
- D) 8

## Question 13 of 58

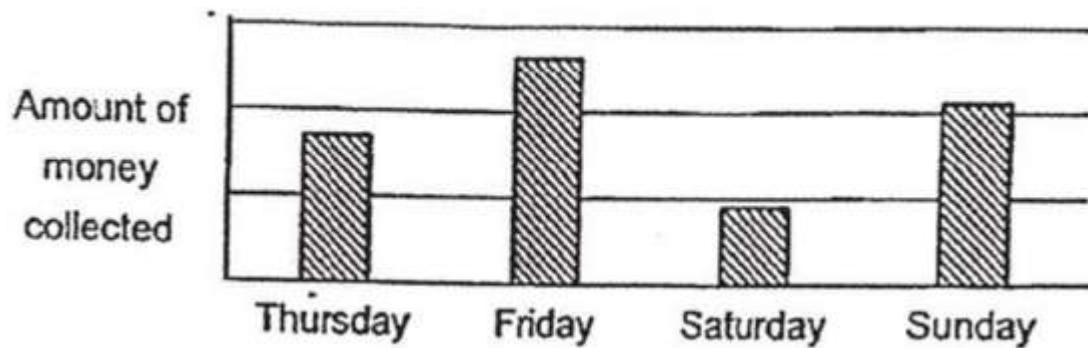
Primary 6 Math (Term 2) 1 pt

The table below shows the amount of money collected from the sale of movie tickets from Thursday to Sunday.

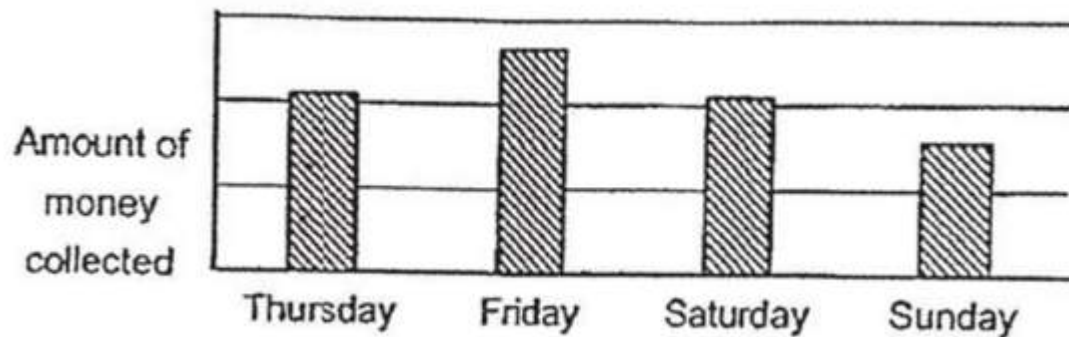
Day	Thursday	Friday	Saturday	Sunday
Amount of money collected	\$850	\$1320	\$1050	\$780

Which bar graph best represents the information in the table?

A)

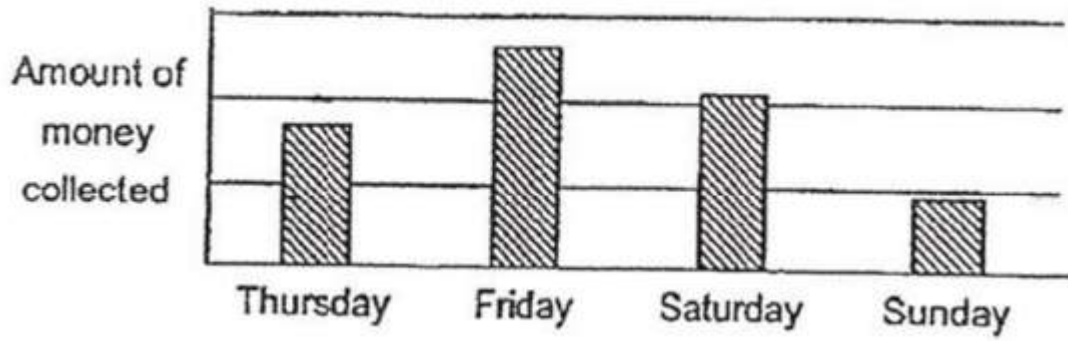


B)

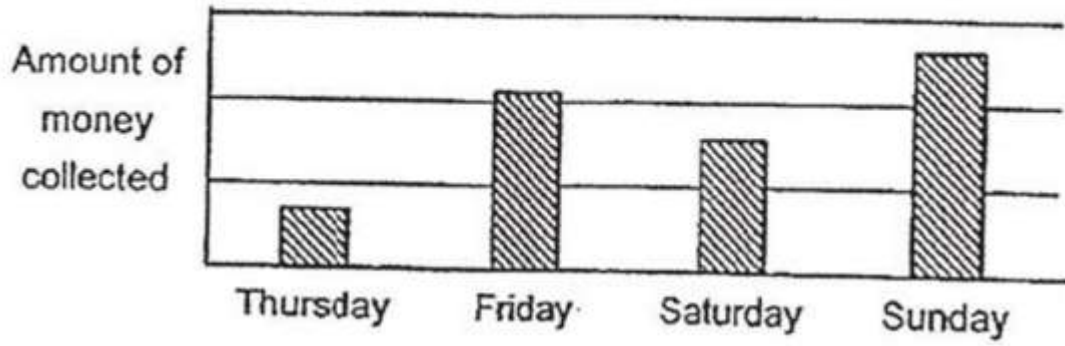


C)





D)



## Question 14 of 58

Primary 6 Math (Term 2) 1 pt

Miriam had a roll of cloth. She used  $\frac{3}{5}$  of it to make a dress and  $\frac{1}{3}$  of it to make a skirt. She then used  $\frac{1}{4}$  of the remainder to make a tie.

Which one of the following expressions correctly shows the amount of cloth she used for the tie?

A)

$$\left(1 - \frac{3}{5} - \frac{1}{3}\right) \times \frac{1}{4}$$

B)

$$\left(1 - \frac{3}{5} + \frac{1}{3}\right) \times \frac{1}{4}$$

C)

$$1 - \frac{3}{5} + \frac{1}{3} - \frac{1}{4}$$

D)

$$1 - \frac{3}{5} - \frac{1}{3} - \frac{1}{4}$$

**Question 15 of 58**

Primary 6 Math (Term 2) 1 pt

Look at the pattern below.

Pattern	Pattern expression	Sum
1	1	1
2	1 + 3	4
3	1 + 3 + 5	9
4	1 + 3 + 5 + 7	16
	.	.
	.	.
	.	.
9	.	?

What is the sum in Pattern 9?

- A) 25
- B) 49
- C) 64
- D) 81

**Question 16 of 58**

Primary 6 Math (Term 2) 1 pt

Find the value of  $42 + 5 \times (15 - 6) \div 3$

**Question 17 of 58**

Primary 6 Math (Term 2) 1 pt

6 pizzas were shared equally among some children. Each child received  $\frac{3}{7}$  of a pizza. How many children received the pizza?

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**Question 18 of 58**

Primary 6 Math (Term 2) 1 pt

Find the missing number

$$\underline{\quad} \times 3 = 306$$

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**Question 19 of 58**

Primary 6 Math (Term 2) 1 pt

Find the value of  $5b \div 4 - 2b$  when  $b=6$

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**Question 20 of 58**

Primary 6 Math (Term 2) 1 pt

There were 800 visitors in a museum. There were 40 girls. What percentage of the visitors was girls?

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**Question 21 of 58**

Primary 6 Math (Term 2) 1 pt

There were some apples in a box. 12% of the apples were rotten. There were 36 rotten apples in the box. How many apples were there in there box?

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**Question 22 of 58**

Primary 6 Math (Term 2) 1 pt

Ju En bought 3.5 kg of rice. She gave some rice to her mother and shared the remaining rice equally with her sister. Her sister received 1100g of rice. How many kilograms of rice did she give to her mother?

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**Question 23 of 58**

Primary 6 Math (Term 2) 1 pt

In a shop, each box of cookies was sold at \$3. The mass of cookies in each box was  $\frac{5}{8}$  kg. Rizal had \$18. How many kilograms of cookies could he buy with all his money?

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**Question 24 of 58**

Primary 6 Math (Term 2) 1 pt

Mrs Joseph had  $\frac{4}{5}$  kg of butter. She used  $\frac{1}{8}$  kg of the butter to bake a cake. What was the greatest number of such cakes she could bake?

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**Question 25 of 58**

Primary 6 Math (Term 2) 1 pt

The mass of an apple is  $w$  kg. The mass of a pineapple is thrice as heavy as the apple. The mass of a durian is 2kg more than the mass of the pineapple. What is the mass of the durian? Express your answer in terms of  $w$  in the simplest form.

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**Question 26 of 58**

Primary 6 Math (Term 2) 1 pt

Emma had \$ $y$ . Gina had twice as much money as Emma. Faith had \$34 more than Emma. The girls had \$154 altogether. How much money did Emma have?

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**Question 27 of 58**

Primary 6 Math (Term 2) 1 pt

The sum of two numbers is 56. The bigger number is 7 times the smaller number. What is the product of the two numbers?

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**Question 28 of 58**

Primary 6 Math (Term 2) 1 pt

Jug A contained 1800ml of juice and Jug B contained 2.5L of juice. After some juice was added to Jug B, Jug B had 3 times as much juice as Jug A. How much juice was added to Jug B in millilitres?

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**Question 29 of 58**

Primary 6 Math (Term 2) 1 pt

How many ways are there to form a 4-digit odd number using the digits 3,4,5 and 8 without repeating the digits in each number?

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**Question 30 of 58**

Primary 6 Math (Term 2) 1 pt

A florist sells four types of flowers.

Type of flower	Number of flowers sold
Rose	90
Carnation	180
Sunflower	30
Tulip	?

The table above shows the number of flowers sold in January for three of the four types. In February, the florist sold the same number of tulips as in January but more of the other three types of flowers

Statement: In January, the number of sunflowers sold was 4 times the number of tulips sold

- A) True
- B) False
- C) Not possible to tell

**Question 31 of 58**

Primary 6 Math (Term 2) 1 pt

Statement: The percentage of flowers sold that were roses remained the same from January to February

- A) True
- B) False
- C) Not possible to tell

**Question 32 of 58**

Primary 6 Math (Term 2) 1 pt

Statement: The percentage of flowers sold that were tulips decreased from January to February

- A) True
- B) False
- C) Not possible to tell

**Question 33 of 58**

Primary 6 Math (Term 2) 1 pt

Ramesh spent  $1\frac{1}{2}$  h cleaning the house and  $1\frac{3}{8}$  h studying. He then spent  $1\frac{1}{3}$  h watching television. How much time did he spend on these three activities? Leave your answer as a mixed number.

**Question 34 of 58**

Primary 6 Math (Term 2) 1 pt

Mr Kang bought 7 bottles of oil. Each bottle contained  $2\frac{1}{4}$  l of oil. How many litres of oil did he buy altogether?

**Question 35 of 58**

Primary 6 Math (Term 2) 1 pt

Mr Bala had to pay 7% GST for a shirt he bought. The amount of GST he paid for the shirt was \$17.50. What was the price of the shirt before GST?

**Question 36 of 58**

Primary 6 Math (Term 2) 1 pt

The average of 7 numbers is 152. The average of the first 6 numbers is 155. What is the 7th number?



**Question 37 of 58**

Primary 6 Math (Term 2) 1 pt

A group of 6 boys booked a tennis court for 3 hours and took turns to play. At any time, there were 4 boys playing on the court. On average, how long did each boy play on the court?  
Give your answer in minutes

\_\_\_\_\_ min

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**Question 38 of 58**

Primary 6 Math (Term 2) 1 pt

Fatimah spent 40% of her money to buy a story book. She had \$42 left.

a) What percentage of her money did she have left?

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**Question 39 of 58**

Primary 6 Math (Term 2) 1 pt

b) How much money did she have at first?

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**Question 40 of 58**

Primary 6 Math (Term 2) 1 pt

The table below shows the charges for renting a boat.

Day	Time	Charge
Mon to Fri	10 a.m. to 5 p.m.	\$8 per hour or part thereof
	5 p.m. to 8 p.m.	\$15 per hour or part thereof
Sat & Sun	8 a.m. to 8 p.m.	\$18 per hour or part thereof

- (a) Hyun Bin rented a boat from 4 p.m. to 6 p.m. on Saturday. How much did he have to pay?
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**Question 41 of 58**

Primary 6 Math (Term 2) 1 pt

- b) On Wednesday, Ye Jin rented a boat and paid a total of \$70. Find the greatest number of hours she rented the boat.
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**Question 42 of 58**

Primary 6 Math (Term 2) 1 pt

A container measuring 40 cm long, 25 cm wide and 50 cm high was  $\frac{5}{8}$  filled with water at first.

- (a) What was the volume of the water in the tank at first?
-

**Question 43 of 58**

Primary 6 Math (Term 2) 1 pt

b) Chang Wook then removed 3.5L of water from the container. How many more litres of water were needed to fill the container to its brim?

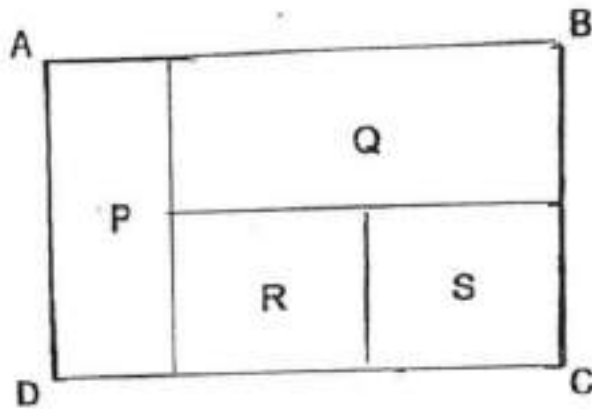
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**Question 44 of 58**

Primary 6 Math (Term 2) 1 pt

Rectangle ABCD is made up of four smaller rectangles P, Q, R and S.

The area of P is  $\frac{1}{4}$  the area of rectangle ABCD while the area of Q is equal to the total area of R and S. The area of R is equal to the area of S. The area of R is  $\frac{1}{10} \text{ m}^2$ . Find the area of rectangle ABCD.



**Question 45 of 58**

Primary 6 Math (Term 2) 1 pt

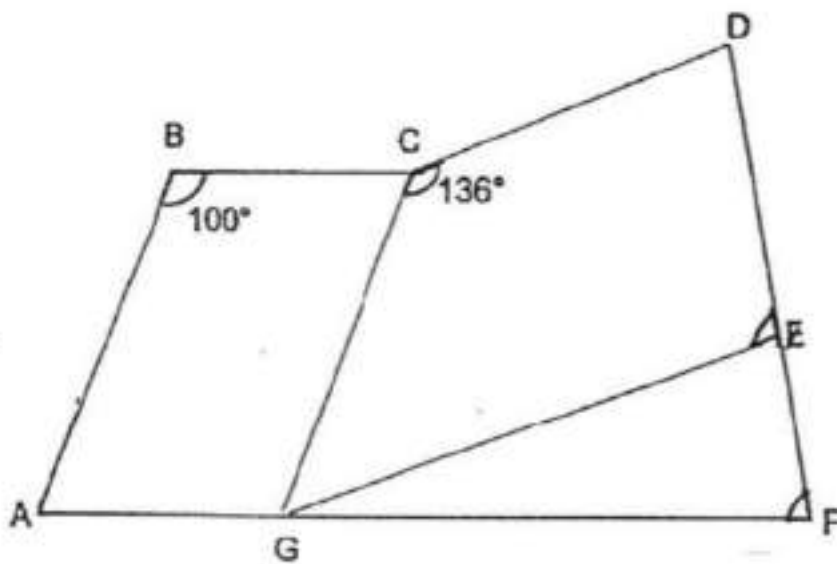
A total of 250 students participated in a Mathematics competition. The average score of the students was 72 marks. The average score of the boys was 65 and the average score of the girls was 90. How many girls participated in the Mathematics competition?

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**Question 46 of 58**

Primary 6 Math (Term 2) 1 pt

In the figure below, CDEG is a trapezium with CD parallel to GE. ABCG is a parallelogram. EFG is an isosceles triangle and  $GE = GF$ . AGF and DEF are straight lines.  $\angle ABC = 100^\circ$  and  $\angle DCG = 136^\circ$ .



(a) Find  $\angle EGF$ .

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**Question 47 of 58**

Primary 6 Math (Term 2) 1 pt

b) Find CDF

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**Question 48 of 58**

Primary 6 Math (Term 2) 1 pt

Mr Lee is 3 times as old as his daughter now. His daughter is  $n$  years old now.

a) Find the total age of Mr Lee and his daughter in 9 years' time. Express your answer in terms of  $n$  in the simplest form

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**Question 49 of 58**

Primary 6 Math (Term 2) 1 pt

b) In 9 years' time, the sum of their ages will be 94. How old will Mr Lee be in 9 years' time?

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**Question 50 of 58**

Primary 6 Math (Term 2) 1 pt

Kai Ming gave 55% of his salary to his parents and  $\frac{1}{3}$  of his remaining salary to his sister. He spent the rest of his salary. He spent \$2450 less than the amount of money he gave to his parents.

(a) What fraction of Kai Ming's salary was given to his sister?  
Give your answer in the simplest form.

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**Question 51 of 58**

Primary 6 Math (Term 2) 1 pt

b) What was Kai Ming's salary?

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**Question 52 of 58**

Primary 6 Math (Term 2) 1 pt

Mr Azman had 300 stamps. 85% of the stamps were foreign stamps and the rest were local stamps. He gave some foreign stamps to his son and the percentage of foreign stamps he had decreased to 80%. How many foreign stamps did he give to his son?

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**Question 53 of 58**

Primary 6 Math (Term 2) 1 pt

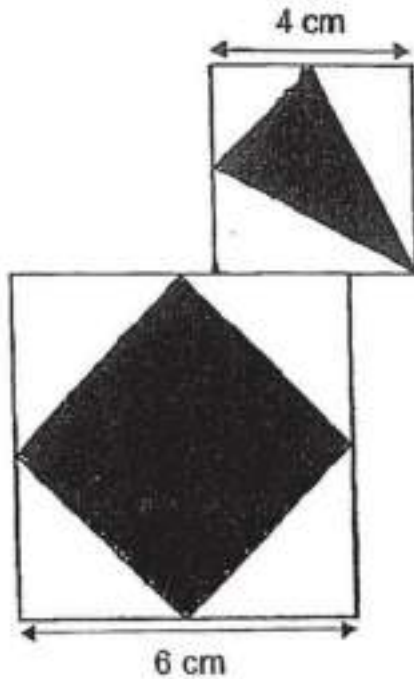
Marie had an equal number of white beads and black beads. After using  $\frac{1}{3}$  of the white beads and  $\frac{2}{5}$  of the black beads, she had 4 more white beads than black beads left. How many beads did she use altogether?

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**Question 54 of 58**

Primary 6 Math (Term 2) 1 pt

The figure below is made up of 2 squares of sides 4 cm and 6 cm. The 2 corners of the triangle in the square touch the midpoint of each side of the 4-cm square. The corners of the shaded square touch the midpoint of each side of the 6-cm square.



(a) Find the total area of the unshaded parts.

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**Question 55 of 58**

Primary 6 Math (Term 2) 1 pt

b) What fraction of the figure is shaded?

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**Question 56 of 58**

Primary 6 Math (Term 2) 1 pt

The table below shows the number of each type of bun sold by a bakery.

Type of bun	Number of buns sold
Butter	84
Kaya	?
Cream	108
Ham	?

The ratio of the number of ham buns sold to the number of butter buns sold was  $12 : 7$ . The ratio of the number of ham buns sold to the number of kaya buns sold was  $18 : 7$ .

(a) How many ham buns were sold?

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**Question 57 of 58**

Primary 6 Math (Term 2) 1 pt

b) How many more butter buns than kaya buns were sold?

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**Question 58 of 58**

Primary 6 Math (Term 2) 1 pt

c) All the cream cups were sold in boxes. A total of 14 large and small boxes were sold. Each large box contained 12 cream buns while each small box contained 6 cream buns. What was the ratio of the number of large boxes to the number of small boxes sold?

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