

**Test:** Primary 5 Maths (Term 4) - Ai Tong (2020)

**Points:** 98 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 5 Maths (Term 4) 1 pt

What is the value of the digit 7 in 397 014?

- \_\_\_\_\_
- A)** 70
- B)** 700
- C)** 7000
- D)** 70 000

**Question 2 of 58**

Primary 5 Maths (Term 4) 1 pt

Which of the following is equivalent to  $163\,200 \div 200$ ?

- \_\_\_\_\_
- A)**  $163\,200 \div 2 \times 100$
- B)**  $163\,200 \times 2 \div 100$
- C)**  $163\,200 \times 100 \times 2$
- D)**  $163\,200 \div 100 \div 2$

**Question 3 of 58**

Primary 5 Maths (Term 4)

1 pt

How many thirds are there in  $6\frac{2}{3}$  ?

- 
- A) 62
- B) 20
- C) 18
- D) 15

## Question 4 of 58

Primary 5 Maths (Term 4)

1 pt

Arrange the following from the smallest to the largest in value.

1.03 ,	$1\frac{3}{5}$ ,	1.35
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 A)

Smallest

Largest

1.03 ,

1.35 ,

$1\frac{3}{5}$

 B)

$1\frac{3}{5}$  ,

1.03 ,

1.35

 C)

1.03 ,

$1\frac{3}{5}$  ,

1.35

 D)

1.35 ,

1.03 ,

$1\frac{3}{5}$

**Question 5 of 58**

Primary 5 Maths (Term 4)

1 pt

In the number line below, what value does the letter X stand for?



- A) 11.003
- B) 11.006
- C) 11.03
- D) 11.06

**Question 6 of 58**

Primary 5 Maths (Term 4)

1 pt

The area of a square is  $36 \text{ cm}^2$ . What is its perimeter?

- A) 6 cm
- B) 9 cm
- C) 24 cm
- D) 81 cm

**Question 7 of 58**

Primary 5 Maths (Term 4)

1 pt

There are 50 teachers in Changi Primary School. 38 of them are female. What percentage of the teachers are female teachers?

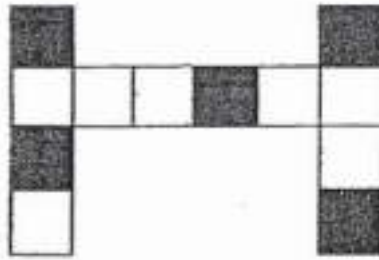
- A) 24%
- B) 38%
- C) 62%
- D) 76%

## Question 8 of 58

Primary 5 Maths (Term 4)

1 pt

Yong Qing drew a figure with 12 identical squares. He shaded 5 squares. What is the least number of squares that he still needed to shade so that the figure has a line of symmetry?



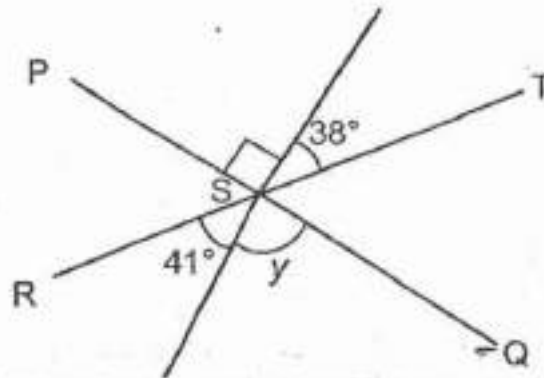
- A) 1
- B) 2
- C) 3
- D) 4

## Question 9 of 58

Primary 5 Maths (Term 4)

1 pt

In the figure, all the lines meet at point S. PSQ and RST are straight lines. Find  $\angle y$ .

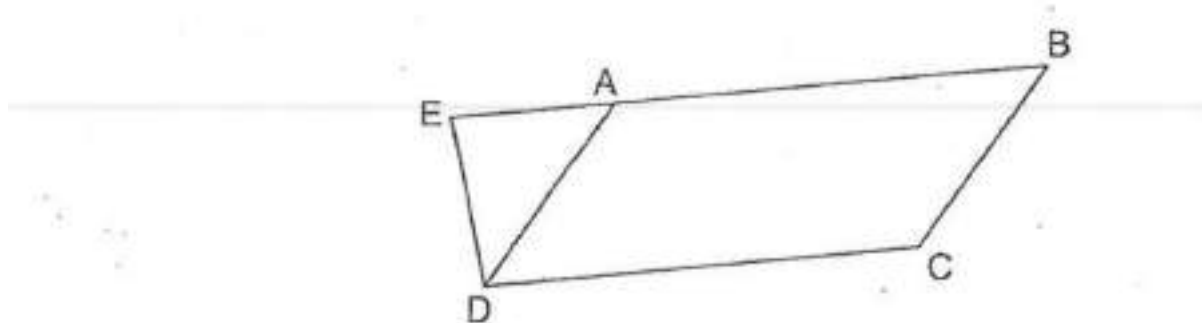


- A)  $128^\circ$
- B)  $90^\circ$
- C)  $87^\circ$
- D)  $52^\circ$

## Question 10 of 58

Primary 5 Maths (Term 4) 1 pt

In the figure below, BCDE is a trapezium and ABCD is a parallelogram.



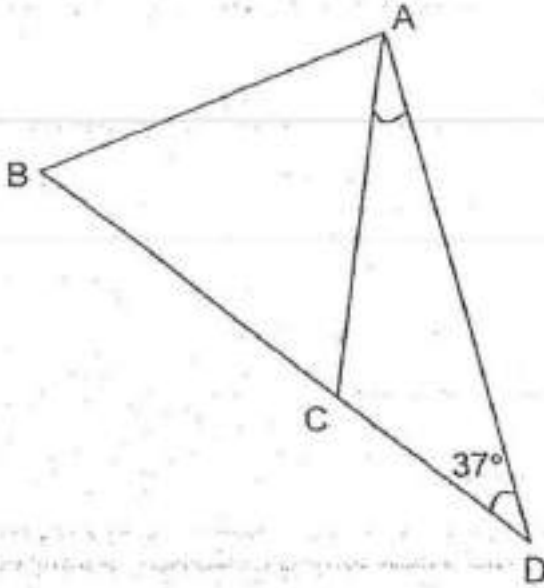
Which of the following statements is true?

- A) Angle BAD + Angle ADC =  $180^\circ$
- B) Angle BCD + Angle EDC =  $180^\circ$
- C) Angle AED = Angle BCD
- D) Angle EDA = Angle EAD

**Question 11 of 58**

Primary 5 Maths (Term 4) 2 pts

In the figure below, ABC is an equilateral triangle and BCD is a straight line.  $\angle ADC = 37^\circ$ . Find  $\angle CAD$ .



- A)  $60^\circ$
- B)  $53^\circ$
- C)  $37^\circ$
- D)  $23^\circ$

**Question 12 of 58**

Primary 5 Maths (Term 4) 2 pts

Jolene cut a ribbon 10.8 m long into three pieces. The first piece is 2 times as long as the second piece. The second piece is 3 times as long as the third piece. How long is the first piece?

- A) 7.20 m
- B) 6.48 m
- C) 2.16 m
- D) 1.08 m

**Question 13 of 58**

Primary 5 Maths (Term 4) 2 pts

A pencil case contains markers of three different colours. The ratio of the number of black markers to the number of the other markers is 1 : 3. The ratio of the number of purple markers to the number of red markers is 2 : 3. What is the ratio of the number of black markers to the number of purple markers?

- A) 1 : 2
- B) 1 : 3
- C) 5 : 6
- D) 5 : 9

**Question 14 of 58**

Primary 5 Maths (Term 4) 2 pts

The table shows the postal charges for sending a parcel to Country A.

Mass of parcel	Charge
Up to 8 kg	\$9 per kg
Every additional kilogram	\$11 per kg

How much does it cost to send a parcel weighing 12 kg to Country A?

- A) \$132
- B) \$116
- C) \$83
- D) \$53

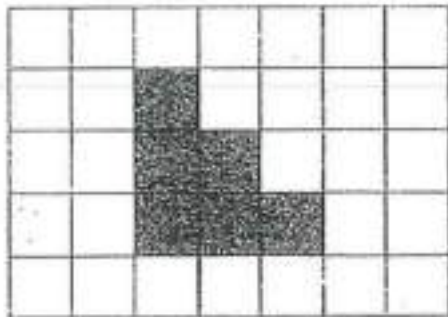


**Question 15 of 58**

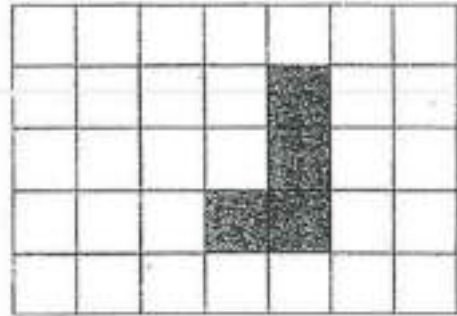
Primary 5 Maths (Term 4)

2 pts

Zhi Qiang stacked 8 unit cubes and glued them together to form a solid. He then drew the front and side views of the solid by shading squares in a square grid as shown.



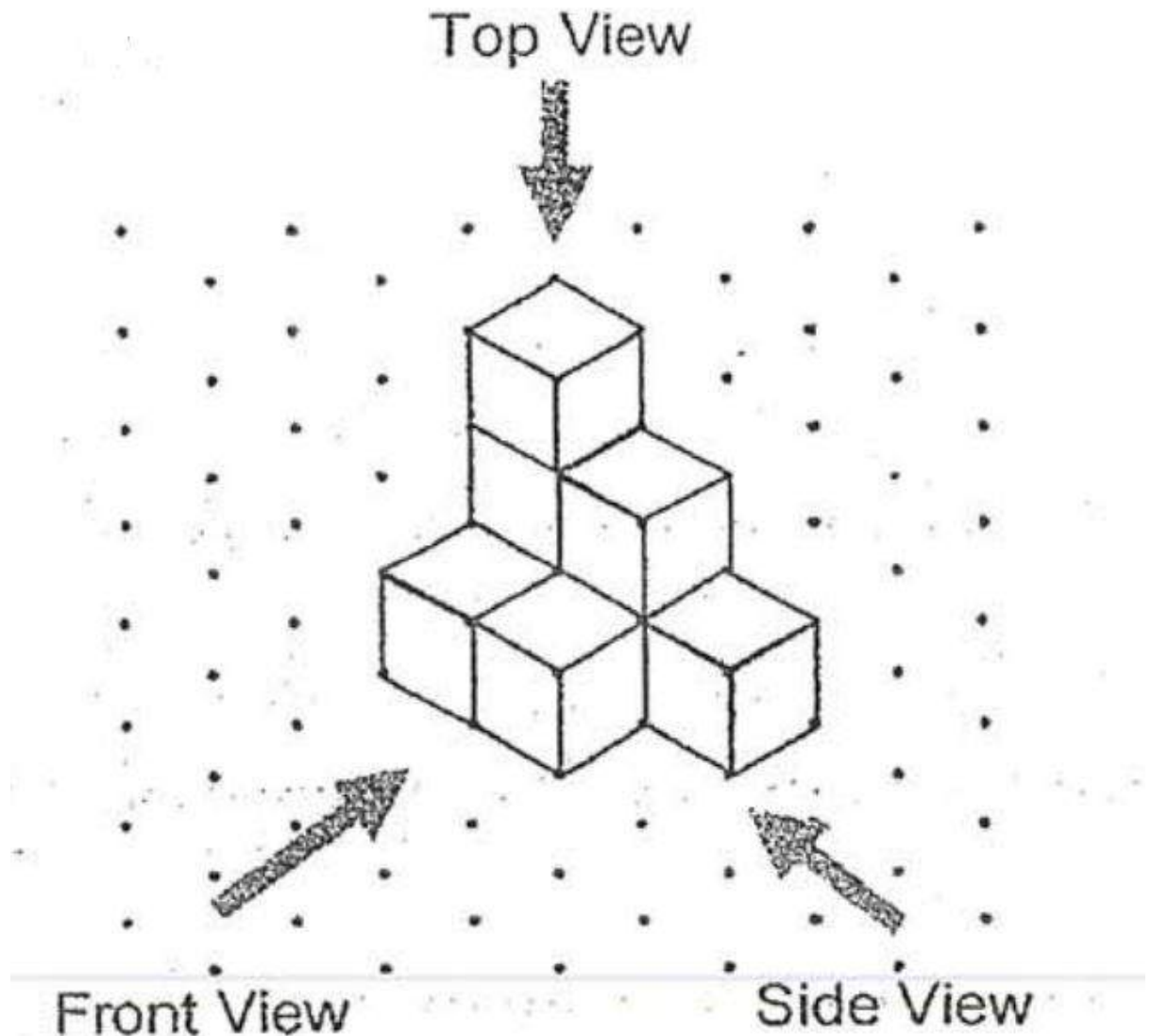
Front view



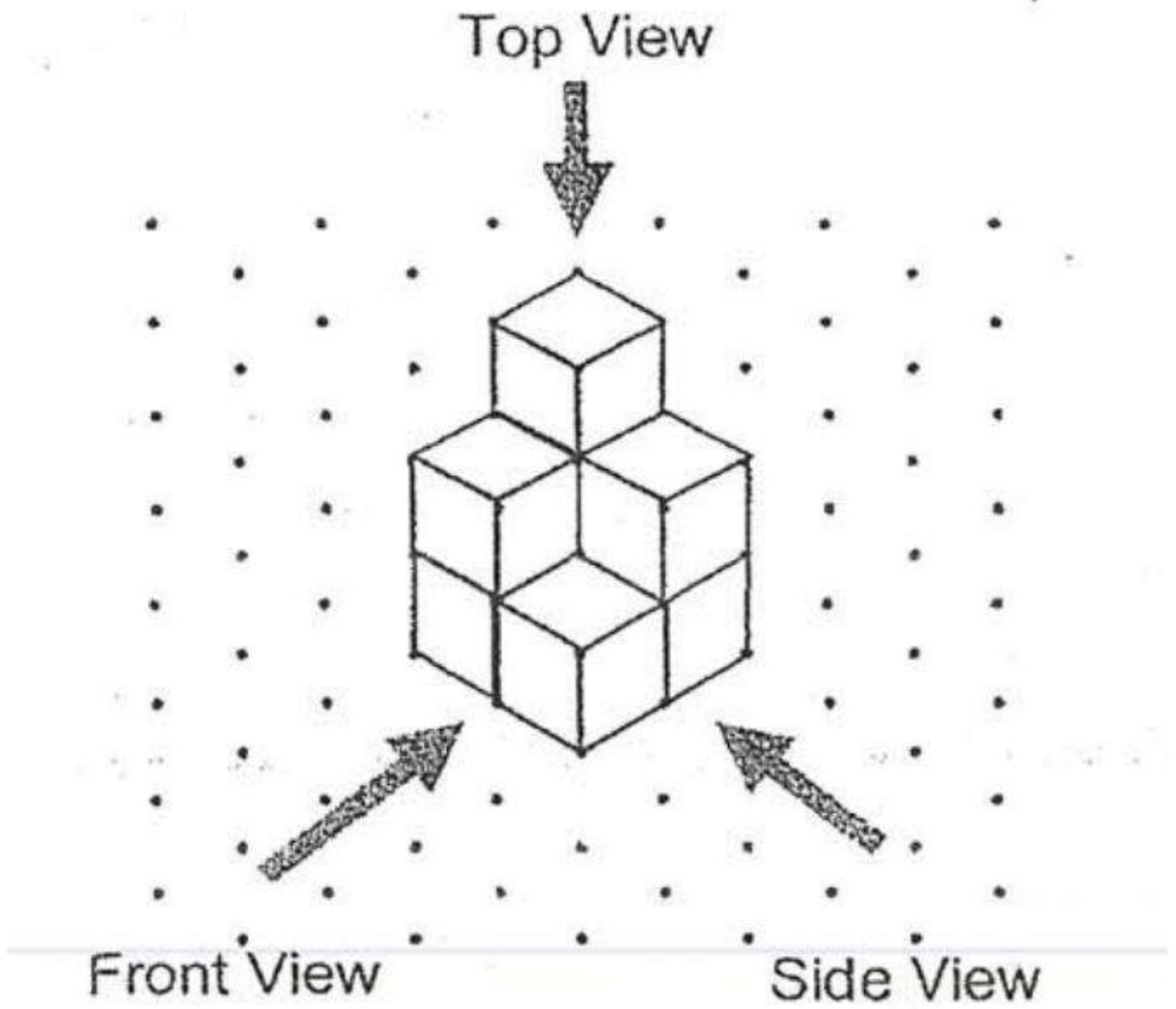
Side view

Which of the following shows the solid that Zhi Qiang formed?

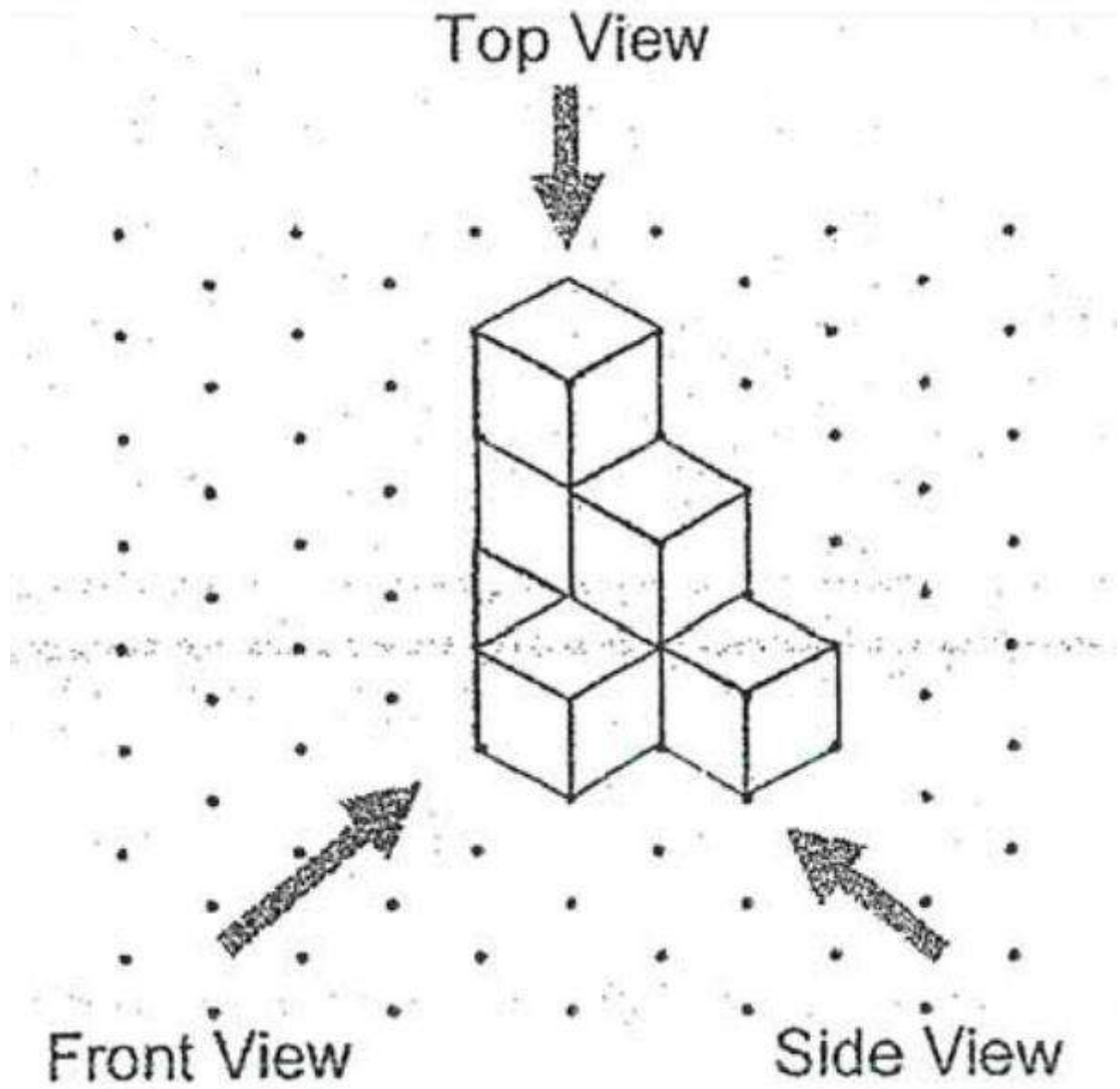
A)



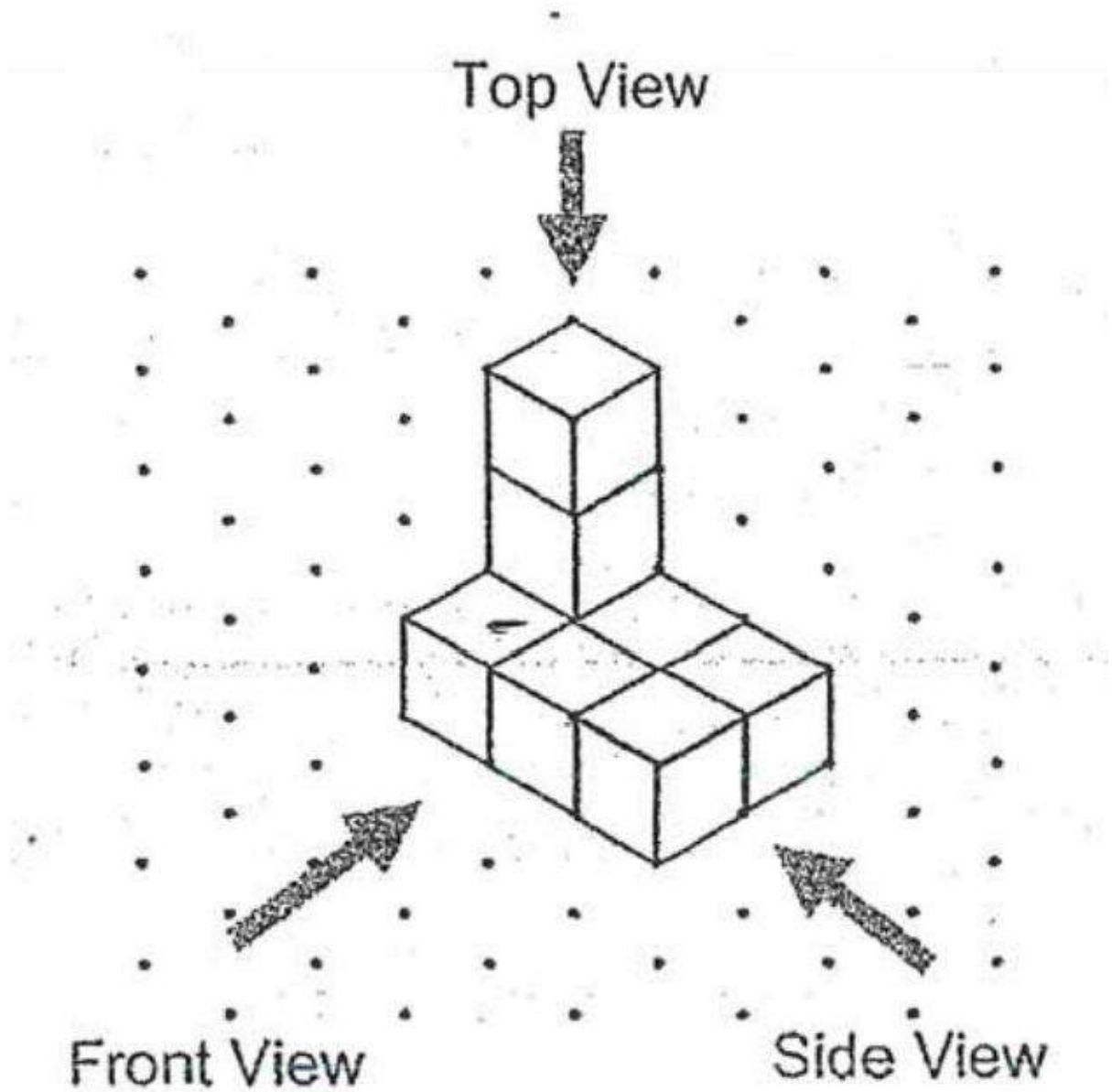
B)



C)



D)

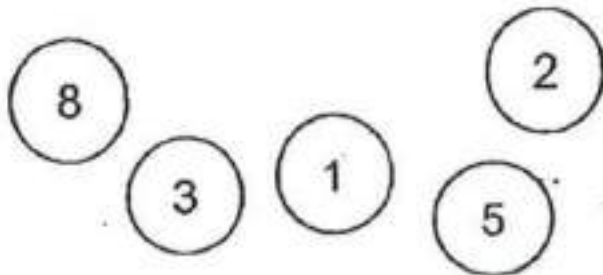


Question 16 of 58

Primary 5 Maths (Term 4)

1 pt

Form the smallest 5-digit odd number using all the digits below.



**Question 17 of 58**

Primary 5 Maths (Term 4) 1 pt

Find the value of  $88 + 12 \times 8 \div 4$ .

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**Question 18 of 58**

Primary 5 Maths (Term 4) 1 pt

Find the value of  $20.2 - 3.85$ .

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**Question 19 of 58**

Primary 5 Maths (Term 4) 1 pt

What is the missing number in the  ?

$$7 : \square = 3 : 18$$

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**Question 20 of 58**

Primary 5 Maths (Term 4) 1 pt

Mr Goh bought  $\frac{11}{12}$  kg of sugar. He used  $\frac{2}{5}$  of it to bake some tarts.  
How much sugar did he have left? Give your answer as a fraction in the simplest form.

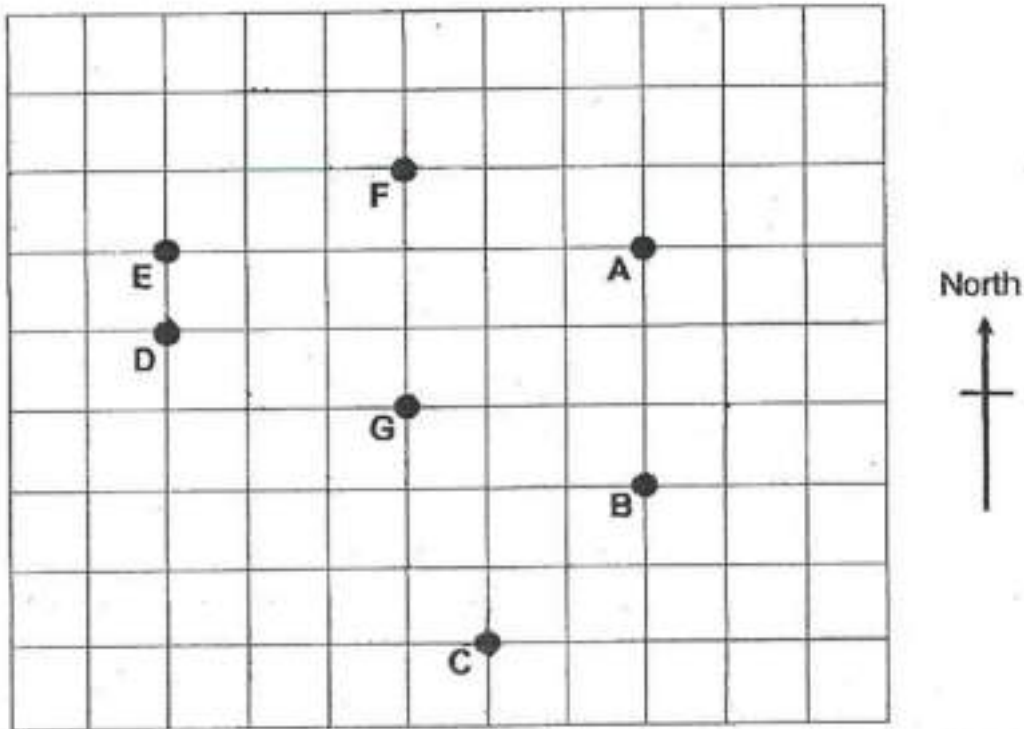
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**Question 21 of 58**

Primary 5 Maths (Term 4)

1 pt

For a Treasure Hunt activity, seven checkpoints were marked out as shown in the square grid below. A is north of B.



In which direction is G from F?

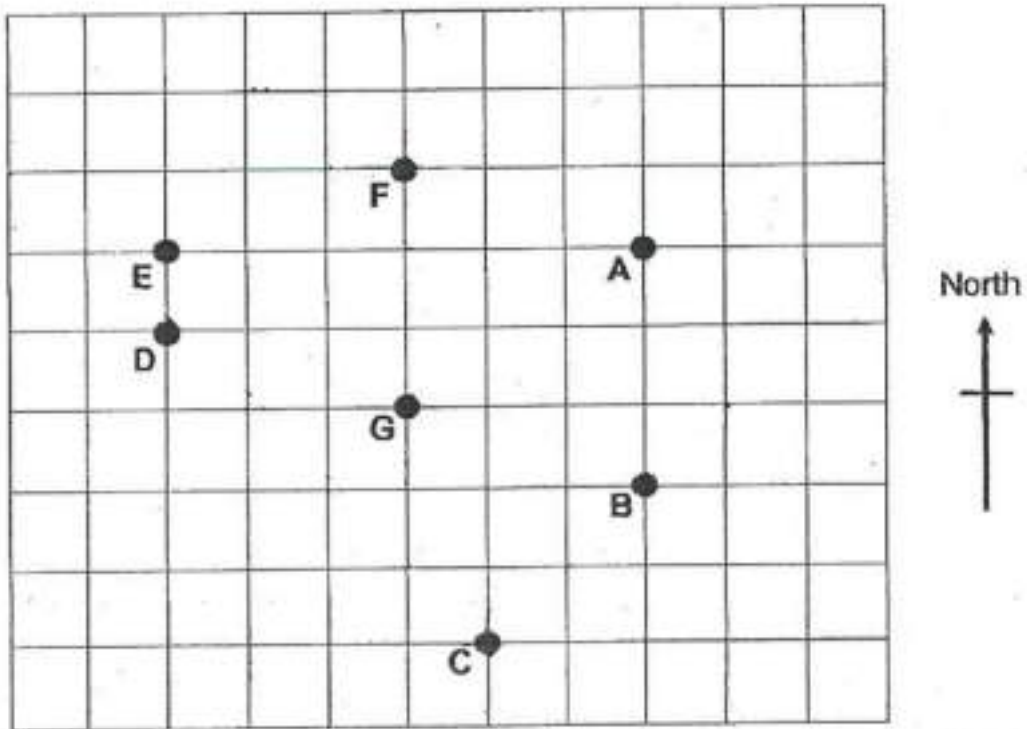
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## Question 22 of 58

Primary 5 Maths (Term 4)

1 pt

For a Treasure Hunt activity, seven checkpoints were marked out as shown in the square grid below. A is north of B.



Sam is at one of the checkpoints. He is facing B. When he turns  $90^\circ$  anti-clockwise, he faces D. Which checkpoint is Sam at?

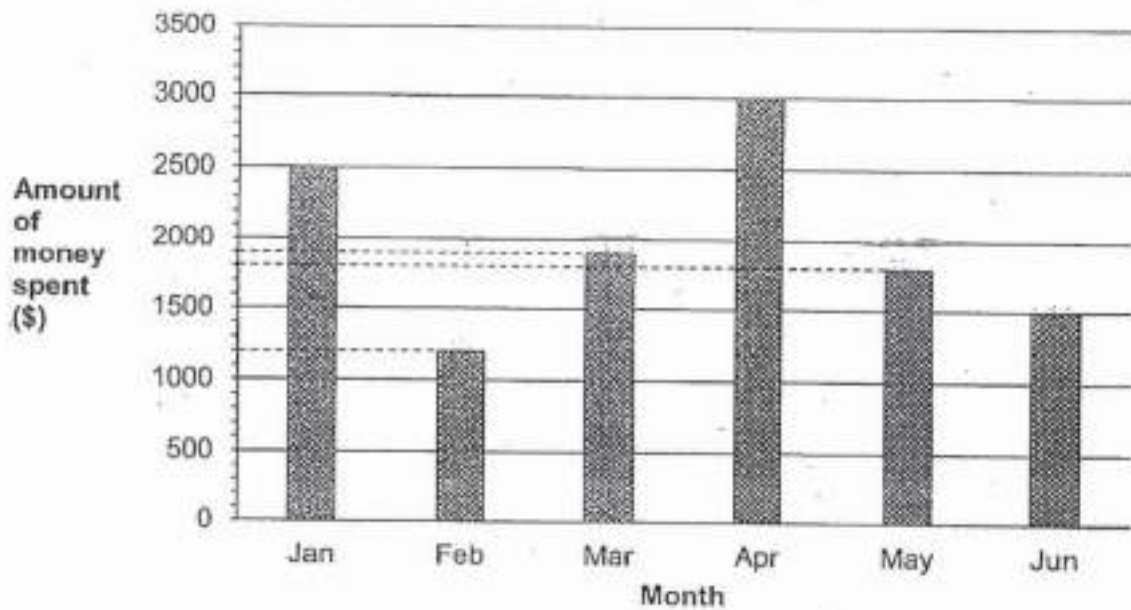
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## Question 23 of 58

Primary 5 Maths (Term 4)

1 pt

The bar graph below shows the amount of money Sarah spent from January to June.



Sarah earned the same amount of money every month. She saved any amount that was not spent into her bank account.

In which month did she save the most amount of money?

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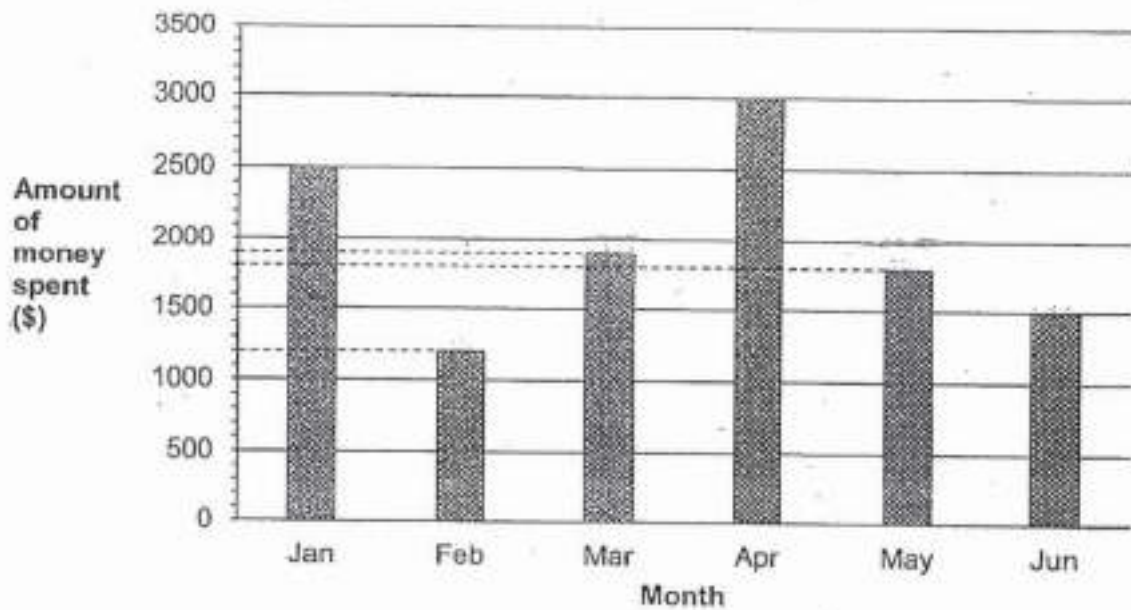


## Question 24 of 58

Primary 5 Maths (Term 4)

1 pt

The bar graph below shows the amount of money Sarah spent from January to June.



Sarah earned the same amount of money every month. She saved any amount that was not spent into her bank account.

In which month did she spend \$700 less than the amount she spent in January?

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## Question 25 of 58

Primary 5 Maths (Term 4)

2 pts

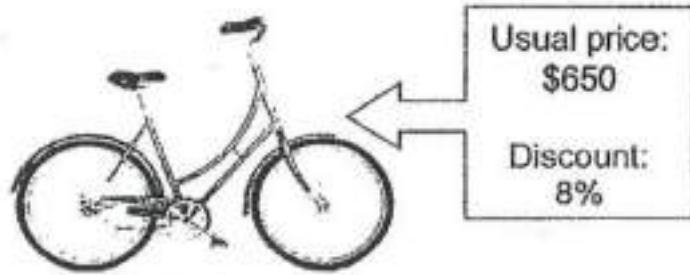
Express  $\frac{4}{7}$  as a decimal correct to the nearest tenth.

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**Question 26 of 58**

Primary 5 Maths (Term 4) 2 pts

Chandra bought a bicycle which was sold at a discount during a sale.  
How much discount was given for the bicycle?

**Question 27 of 58**

Primary 5 Maths (Term 4) 2 pts

A machine can print 300 greeting cards in 20 minutes. At this rate, how long will it take to print 1800 greeting cards?

**Question 28 of 58**

Primary 5 Maths (Term 4) 2 pts

Mrs Cheng has enough money to buy exactly 24 pens at 3 for \$5 or exactly 50 erasers. How much does each eraser cost?

**Question 29 of 58**

Primary 5 Maths (Term 4) 2 pts

The table shows the number of bottles and cans collected by three classes for a recycling event.

Class	Number of bottles	Number of cans
5A	23	17
5B	16	34
5C	45	15
<b>Total</b>	<b>84</b>	<b>66</b>

Which class collected 40% of all the items?

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**Question 30 of 58**

Primary 5 Maths (Term 4) 2 pts

The table shows the number of pages of a book Aini read in 4 days.

Day	Monday	Tuesday	Wednesday	Thursday
<b>Number of pages</b>	29	0	5	38

What was the average number of pages Aini read each day?

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**Question 31 of 58**

Primary 5 Maths (Term 4) 2 pts

Siti had 60 more photocards than Rita at first. After Rita gave 24 of her photocards to Siti, Siti had 3 times as many photocards as Rita. How many photocards did Rita have in the end?

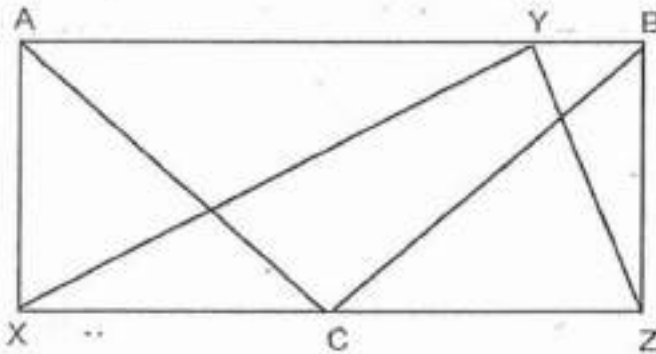
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## Question 32 of 58

Primary 5 Maths (Term 4)

2 pts

The diagram below shows triangles inside rectangle ABZX.



Each statement below is either true, false, or not possible to tell from the information given. For each statement, put a tick ( $\checkmark$ ) in the correct column.

Statement	True	False	Not possible to tell
Triangle ABC has the same area as Triangle XYZ.			
Triangle AXC has the same area as Triangle BCZ.			

1. [ ] Triangle ABC has the same area as Triangle XYZ.

A. Not possible to tell

2. [ ] Triangle AXC has the same area as Triangle BCZ.

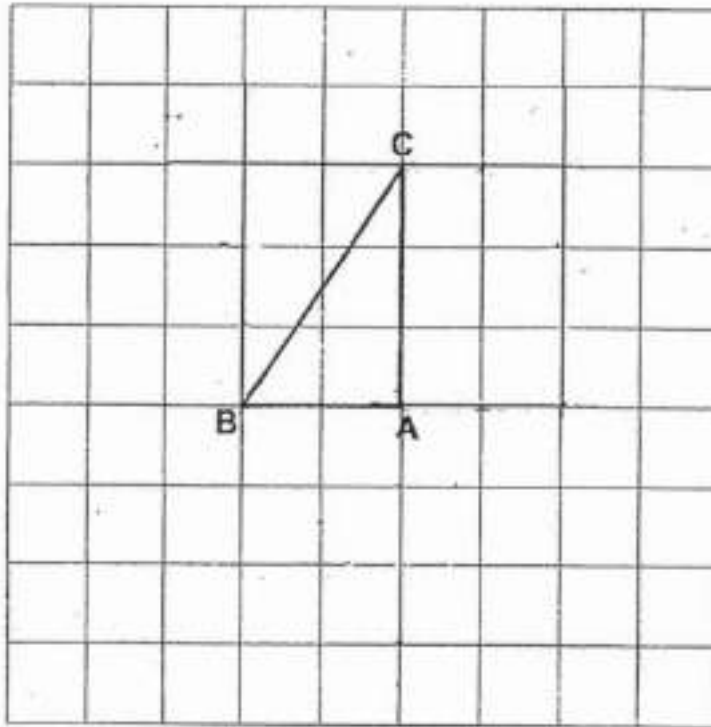
B. True

C. False

## Question 33 of 58

Primary 5 Maths (Term 4) 0 pts

The figure below shows a right-angled triangle, ABC, drawn on a square grid.



ABX is a right-angled triangle with the same area as triangle ABC. Draw triangle ABX on the square grid such that ABX does not overlap with triangle ABC. Label point X. (1 mark)

*This question is designed for extended answers that parent/ teacher will have to assign and guide child to attempt after the test has been completed.*

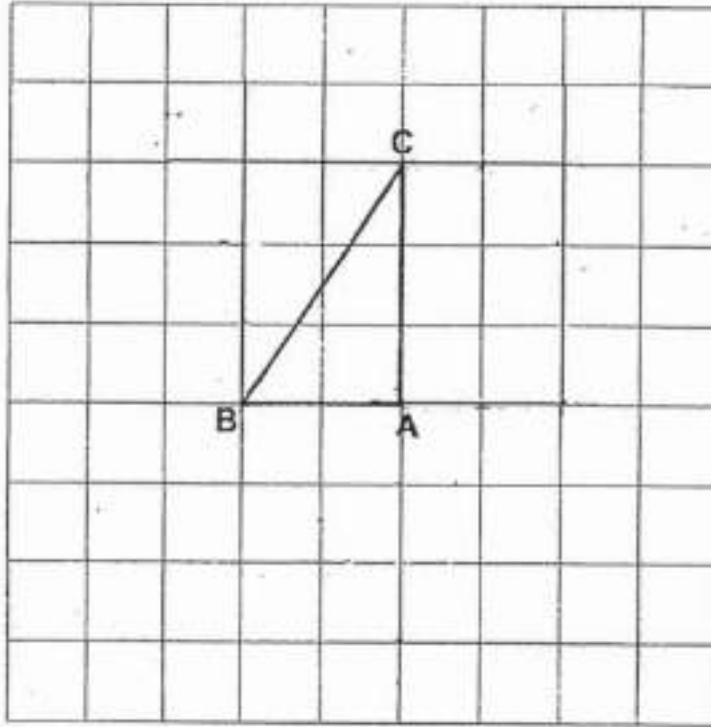
*Grading: This question type is not graded on this system and will not affect the final score as it was designed in such a way that it requires manual assistance.*

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## Question 34 of 58

Primary 5 Maths (Term 4) 0 pts

The figure below shows a right-angled triangle, ABC, drawn on a square grid.



ACDE is a rectangle that has twice the area of triangle ABC. Draw rectangle ACDE on the square grid such that ACDE does not overlap with triangle ABC. Label points D and E. (1 mark)

*This question is designed for extended answers that parent/ teacher will have to assign and guide child to attempt after the test has been completed.*

*Grading: This question type is not graded on this system and will not affect the final score as it was designed in such a way that it requires manual assistance.*

**Question 35 of 58**

Primary 5 Maths (Term 4) 2 pts

What is the price of the television set after adding 7% GST?

**Question 36 of 58**

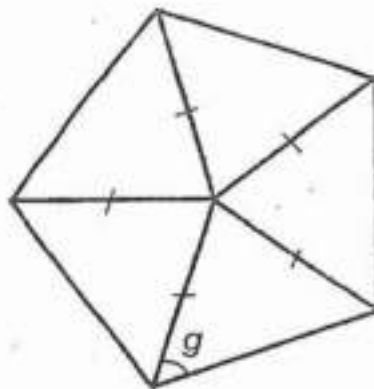
Primary 5 Maths (Term 4) 2 pts

1 pie and 1 muffin cost \$5.95.  
3 pies and 2 muffins cost \$15.70.  
How much does 1 pie cost?

**Question 37 of 58**

Primary 5 Maths (Term 4) 2 pts

The figure below is made up of 5 identical isosceles triangles. Find  $\angle g$ .

**Question 38 of 58**

Primary 5 Maths (Term 4) 2 pts

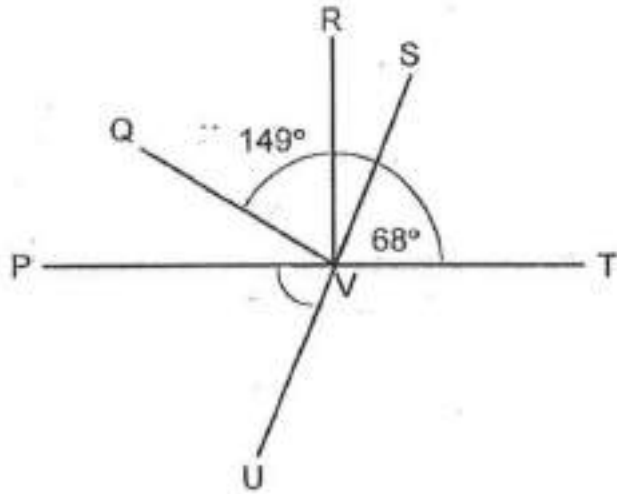
Eileen arranged 180 red and white beads in a circle to make a decoration for National Day celebrations. She arranged 3 red beads between every 2 white beads. How many white beads did she use?



**Question 39 of 58**

Primary 5 Maths (Term 4) 3 pts

In the figure, PVT and SVU are straight lines.  $\angle PVR$  is a right angle.  
 $\angle SVT = 68^\circ$  and  $\angle QVT = 149^\circ$ . Find  $\angle QVU$ .

**Question 40 of 58**

Primary 5 Maths (Term 4) 3 pts

There were 252 more cars than motorcycles in a car park.  
 $\frac{1}{4}$  of the number of cars was equal to  $\frac{3}{5}$  of the number of motorcycles.  
 How many cars and motorcycles were there altogether?

**Question 41 of 58**

Primary 5 Maths (Term 4) 3 pts

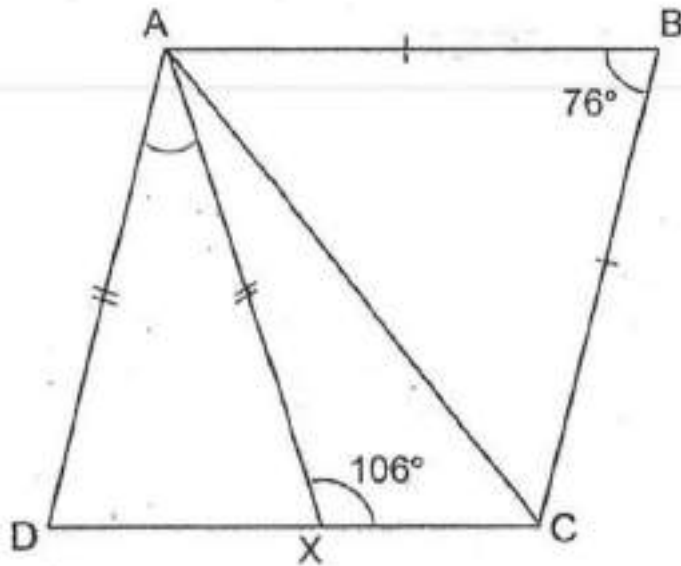
Grandma Ling gave a sum of money to her daughter and three grandchildren in the ratio 4 : 9. Each grandchild received \$627. How much was this sum of money that Grandma Ling gave to the four of them?

## Question 42 of 58

Primary 5 Maths (Term 4)

2 pts

In the figure below, ABCD is a quadrilateral.  $AB = BC$  and  $AD = AX$ .  $\angle ABC = 76^\circ$  and  $\angle AXC = 106^\circ$ .



Find Angle DAX.

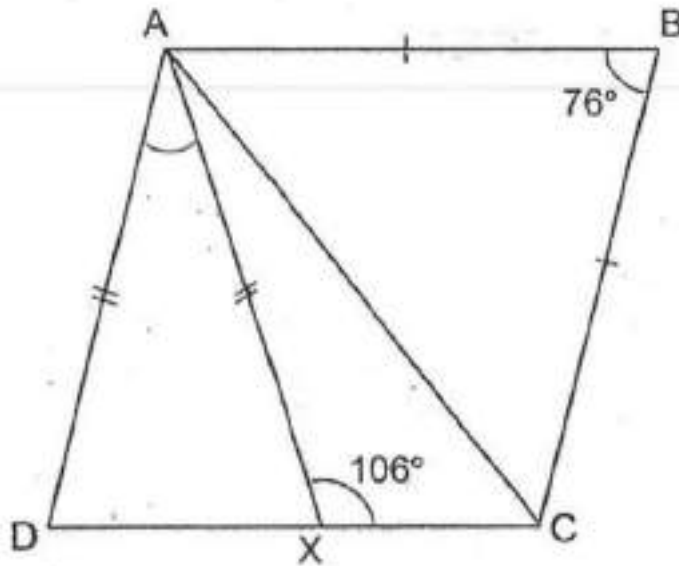
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## Question 43 of 58

Primary 5 Maths (Term 4)

1 pt

In the figure below, ABCD is a quadrilateral.  $AB = BC$  and  $AD = AX$ .  $\angle ABC = 76^\circ$  and  $\angle AXC = 106^\circ$ .



Choose the word/words that describes/describe ABCD correctly in the following statement:

ABCD \_\_\_\_\_ a parallelogram.

- A) is
- B) is not

## Question 44 of 58

Primary 5 Maths (Term 4)

3 pts

The table shows the fare rates of a taxi service:

Distance travelled	Rate
1 <sup>st</sup> kilometre or less	\$3.70
Every 400 m thereafter or less	22¢

Mr Richards paid \$9.64 for a taxi ride. What was the greatest possible distance he travelled in the taxi?

**Question 45 of 58**

Primary 5 Maths (Term 4) 2 pts

60 men and 50 women enrolled in a course to learn computing skills. The average age of the men was 52 years while the average age of the women was 41 years.

Find the average age of all the men and women who enrolled in the course.

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**Question 46 of 58**

Primary 5 Maths (Term 4) 2 pts

60 men and 50 women enrolled in a course to learn computing skills. The average age of the men was 52 years while the average age of the women was 41 years.

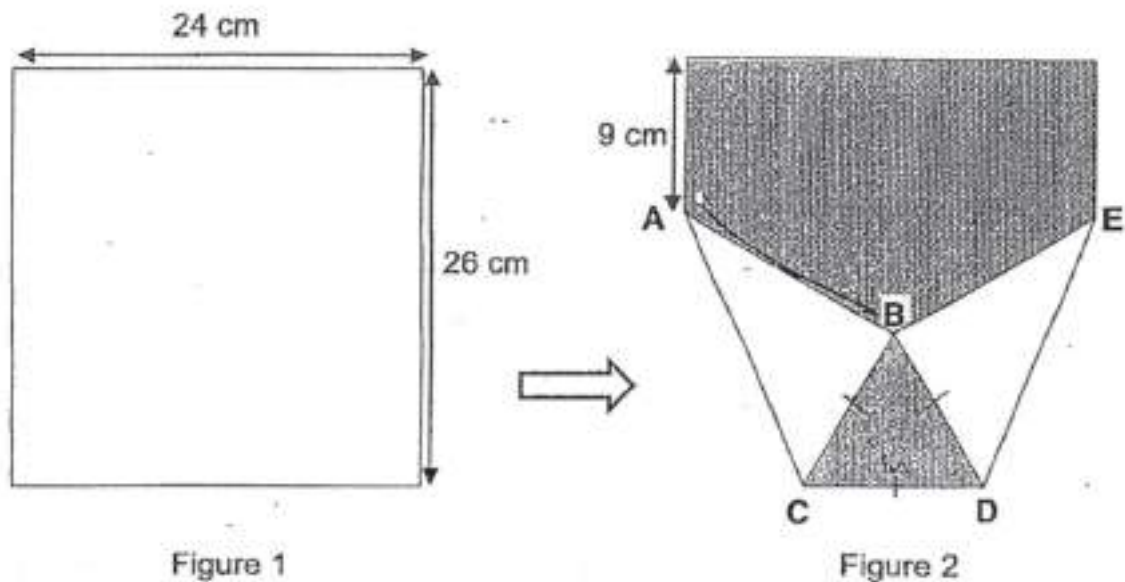
When the 10 instructors were included, the average age of everyone at the course became 45 years. What was the average age of the instructors?

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**Question 47 of 58**

Primary 5 Maths (Term 4) 1 pt

Figure 1 shows a rectangular piece of paper. The bottom left and right corners of the piece of paper were folded to form two identical triangles ABC and EBD as shown in Figure 2.  $BC = BD = CD$ .



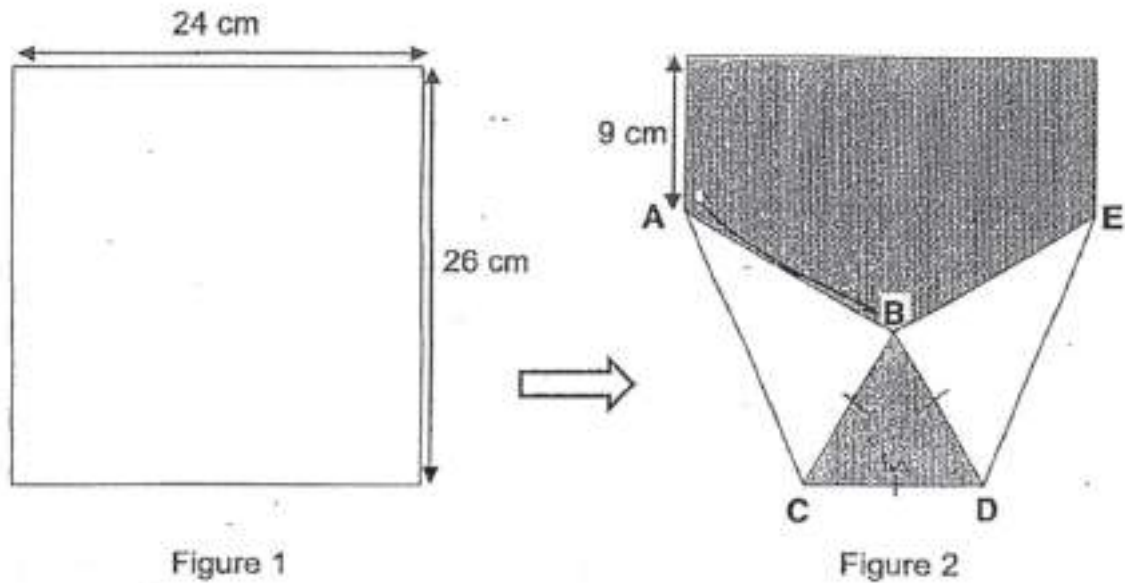
What is the length of CD?

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**Question 48 of 58**

Primary 5 Maths (Term 4) 3 pts

Figure 1 shows a rectangular piece of paper. The bottom left and right corners of the piece of paper were folded to form two identical triangles ABC and EBD as shown in Figure 2.  $BC = BD = CD$ .



Find the total area of the shaded parts in Figure 2.

**Question 49 of 58**

Primary 5 Maths (Term 4) 1 pt

A group of students had to fold some origami shapes for a project.

They folded 175 shapes on the first day and  $\frac{5}{8}$  of the remaining shapes on the

second day. After that, they still had  $\frac{1}{5}$  of all the shapes to be folded.

What fraction of all the shapes were folded on the first day? Give your answer in the simplest form.

**Question 50 of 58**

Primary 5 Maths (Term 4) 3 pts

A group of students had to fold some origami shapes for a project. They folded 175 shapes on the first day and  $\frac{5}{8}$  of the remaining shapes on the second day. After that, they still had  $\frac{1}{5}$  of all the shapes to be folded.

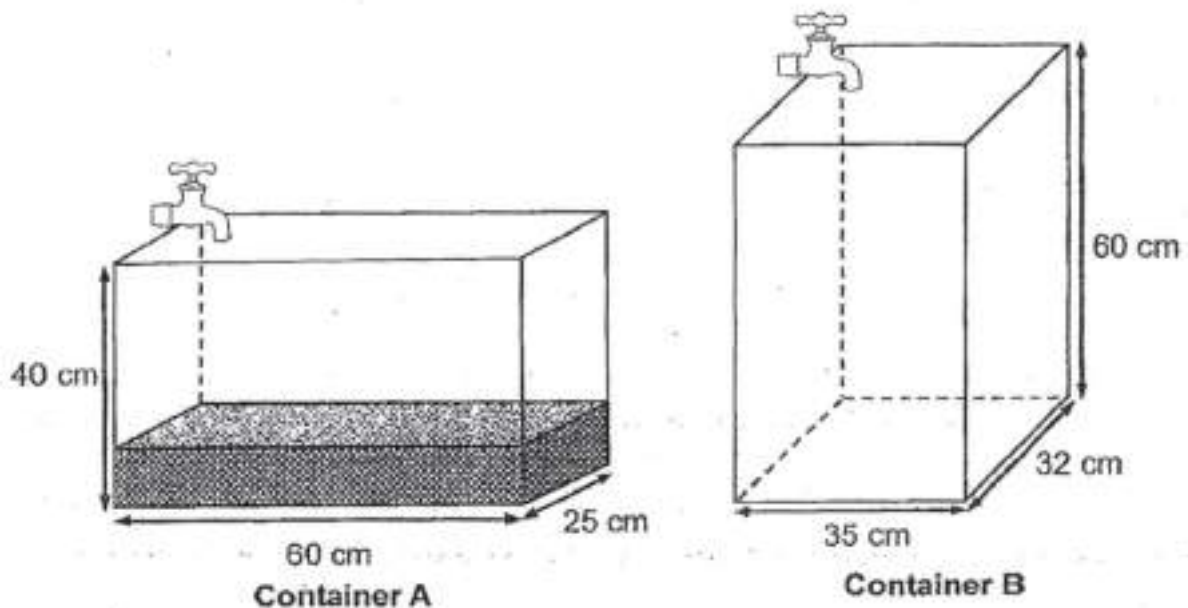
How many shapes did the students have to fold in all?

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**Question 51 of 58**

Primary 5 Maths (Term 4) 1 pt

At first,  $\frac{1}{5}$  of container A was filled with water and container B was empty. Then, both taps were turned on at the same time and water from both taps flowed at the same rate of 1.2 litres per minute. Both taps were turned off immediately when container A was filled to the brim.



How much water was there in Container A at first?

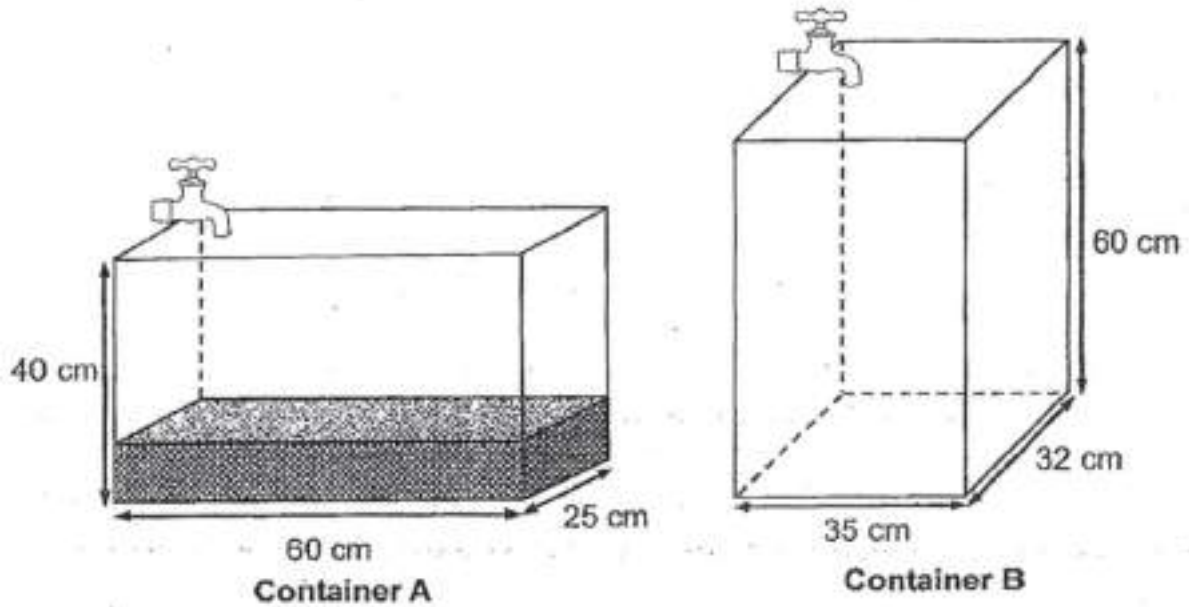
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**Question 52 of 58**

Primary 5 Maths (Term 4)

1 pt

At first,  $\frac{1}{5}$  of container A was filled with water and container B was empty. Then, both taps were turned on at the same time and water from both taps flowed at the same rate of 1.2 litres per minute. Both taps were turned off immediately when container A was filled to the brim.



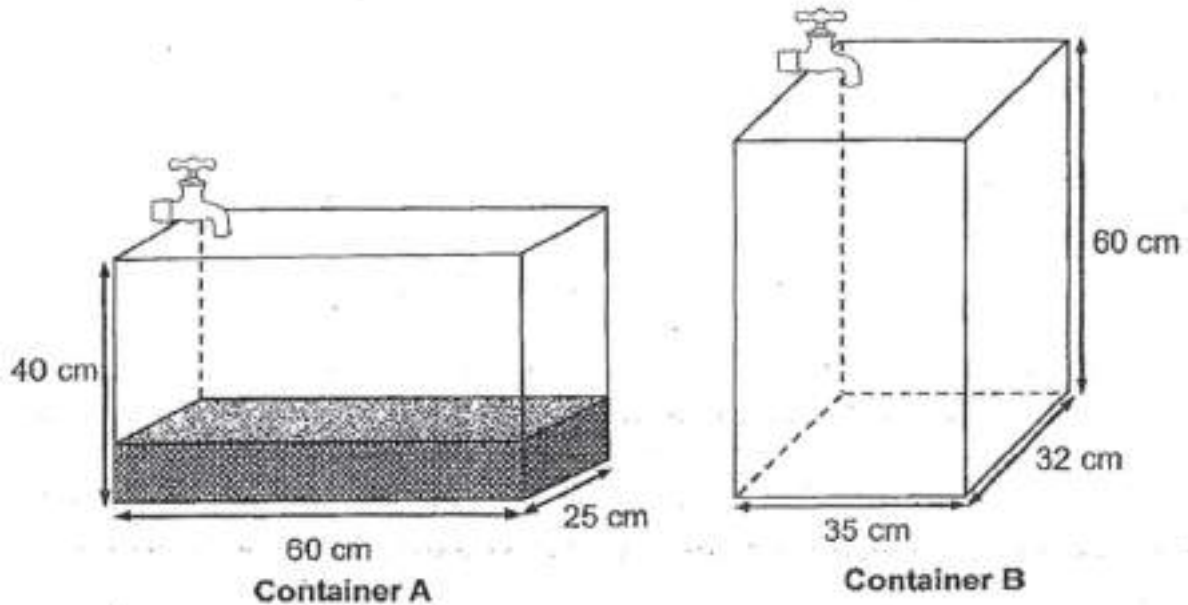
How long did it take for the water from the tap to fill Container A to the brim?

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**Question 53 of 58**

Primary 5 Maths (Term 4) 2 pts

At first,  $\frac{1}{5}$  of container A was filled with water and container B was empty. Then, both taps were turned on at the same time and water from both taps flowed at the same rate of 1.2 litres per minute. Both taps were turned off immediately when container A was filled to the brim.



What fraction of container B was filled with water in the end? Give your answer in the simplest form.

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**Question 54 of 58**

Primary 5 Maths (Term 4) 4 pts

There were 331 boys and girls in the canteen. After 91 boys and girls returned to their classrooms,  $\frac{4}{5}$  of the boys and  $\frac{2}{3}$  of the girls were still in the canteen. How many boys were there in the canteen at first?

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**Question 55 of 58**

Primary 5 Maths (Term 4) 2 pts

A container  $\frac{3}{4}$ -full of rice had a mass of 5.85 kg. When some rice was scooped out until the container became  $\frac{1}{3}$  full, the mass became 3.1 kg.

How much rice was scooped out? Give your answer in kg and g.

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**Question 56 of 58**

Primary 5 Maths (Term 4) 3 pts

A container  $\frac{3}{4}$ -full of rice had a mass of 5.85 kg. When some rice was scooped out until the container became  $\frac{1}{3}$  full, the mass became 3.1 kg.

What is the mass of the empty container?

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**Question 57 of 58**

Primary 5 Maths (Term 4) 2 pts

Some pencils were shared equally among a class of 44 students, with no remainder. 8 students gave all their pencils to the rest of their classmates. As a result, their classmates received 2 more pencils each.

How many pencils were given away by the 8 students?

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**Question 58 of 58**

Primary 5 Maths (Term 4) 3 pts

Some pencils were shared equally among a class of 44 students, with no remainder. 8 students gave all their pencils to the rest of their classmates. As a result, their classmates received 2 more pencils each.

How many pencils were there in all?

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