Test:	Primary 6 Math (Term 2) - Henry Park
Points:	95 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 55   Primary 6 Math (Term 2)   1 pt

Each question carries 1 mark. Four options are given and one of them is the correct answer. (20 marks)

Find the value of 8 + 5 x 8 - 6 / 2

◯ **A)** 13
◯ **B)** 21
◯ **C)** 45
◯ **D)** 49

Question 2 of 55   Primary 6 Math (Term 2)   2 pts

Aaron, Tom and Xavier had $43.20 altogether. Aaron had 3 times as much money as Tom. Tom has twice as much money as Xavier. How much money did Tom have?
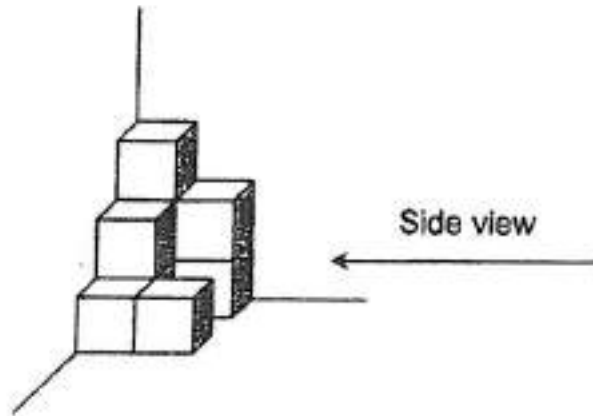

◯ **A)** $4.80
◯ **B)** $7.20
◯ **C)** $9.60
◯ **D)** $14.40

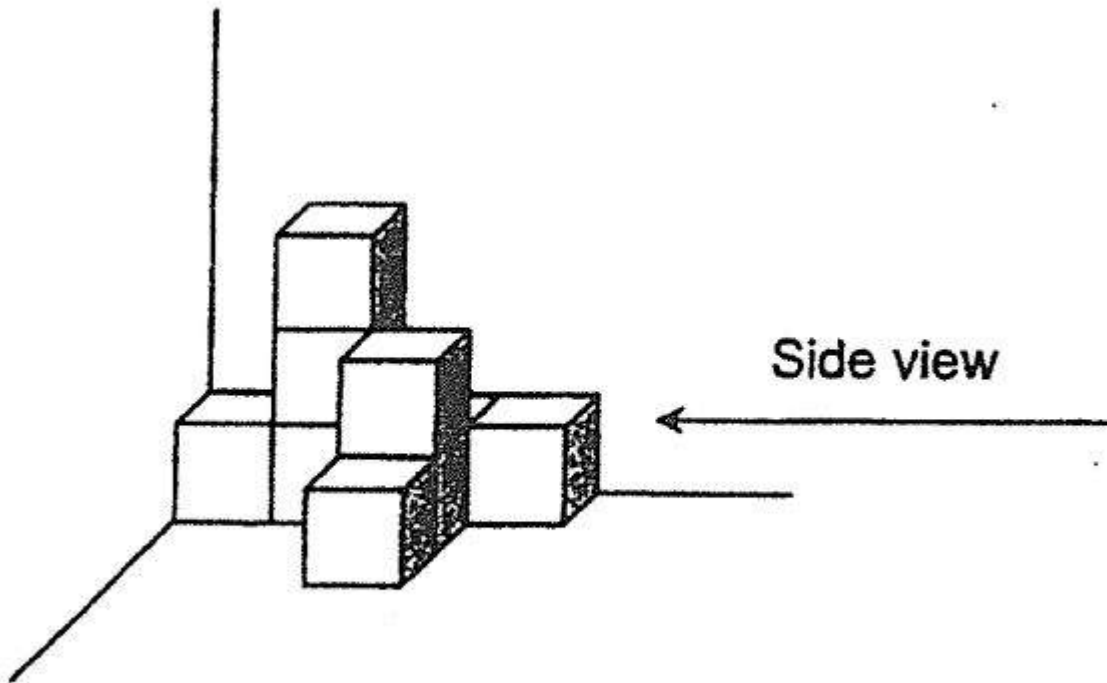**Question 3 of 55**   Primary 6 Math (Term 2)   2 pts

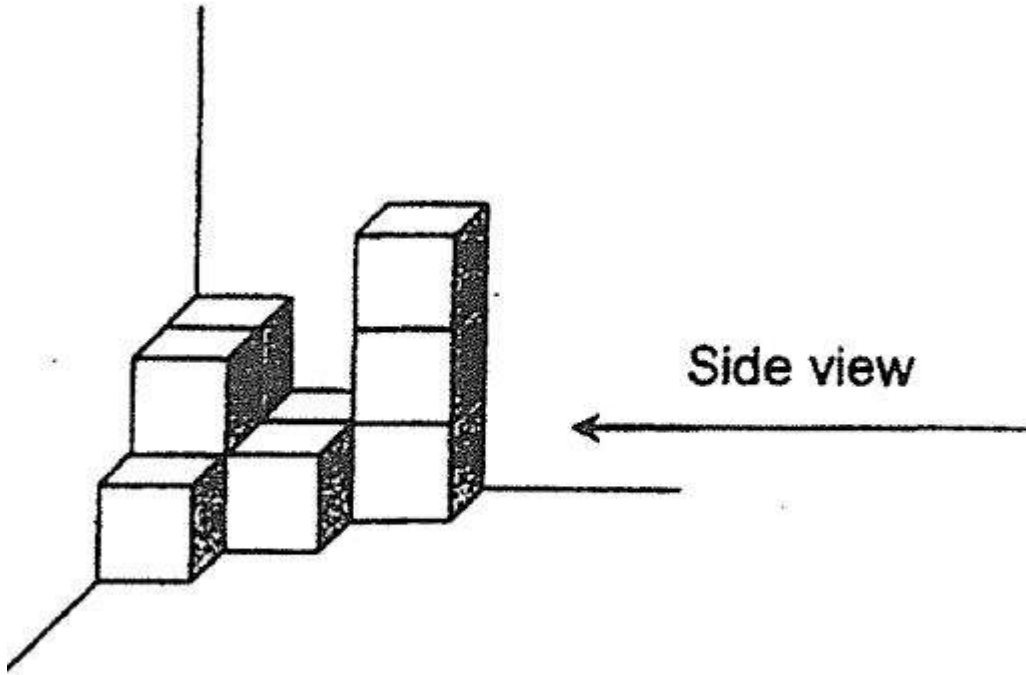Ahmad formed a solid made up of unit cubes as shown below.

Bala used the same number of unit cubes as Ahmad to form another solid with the same side view. Which of the following is the solid that Bala formed?
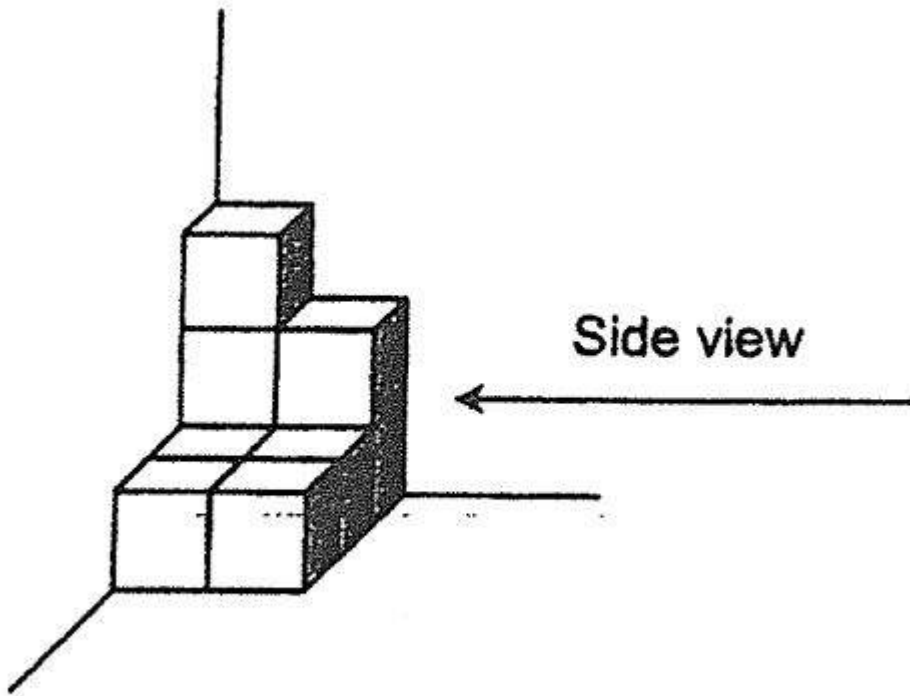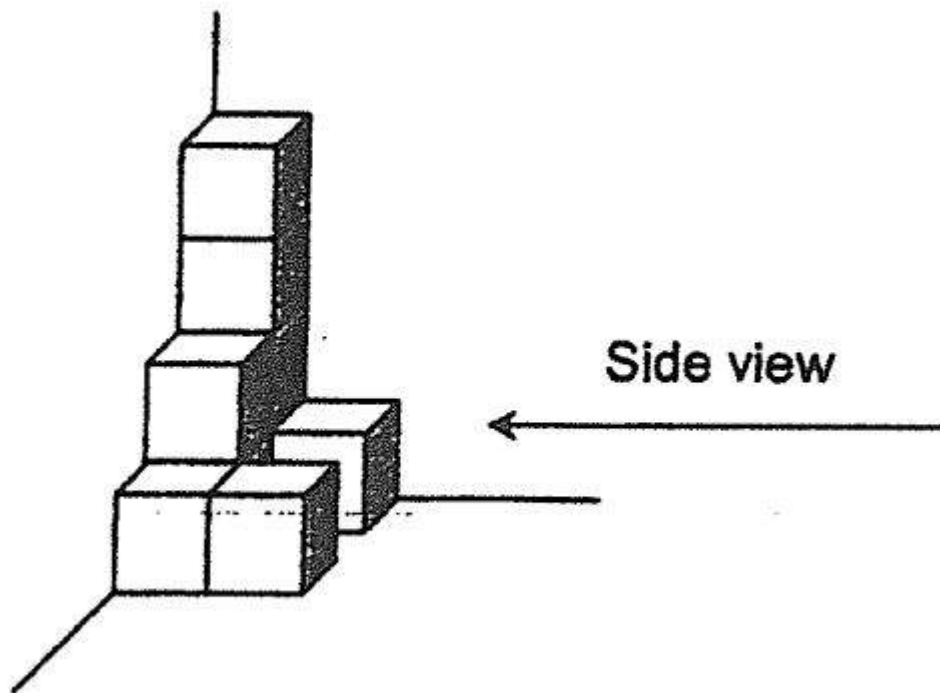
A)

B)

Side view

C)

Side view

D)

Side view

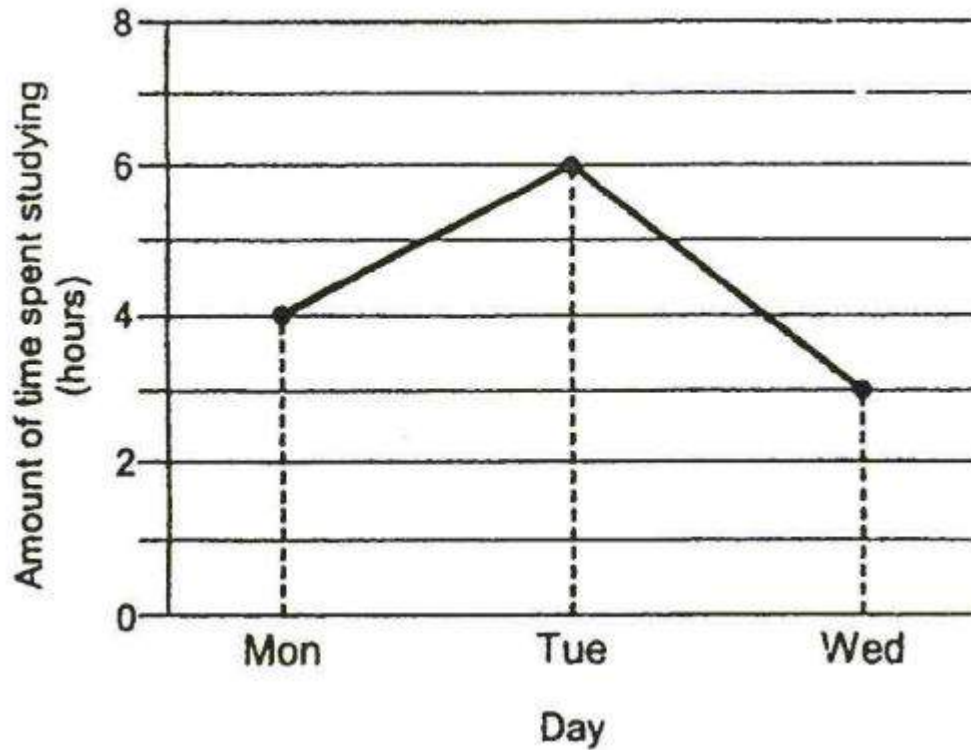**Question 4 of 55**   Primary 6 Math (Term 2)   2 pts

The table below shows the amount of time Mary spent studying over 3 days.
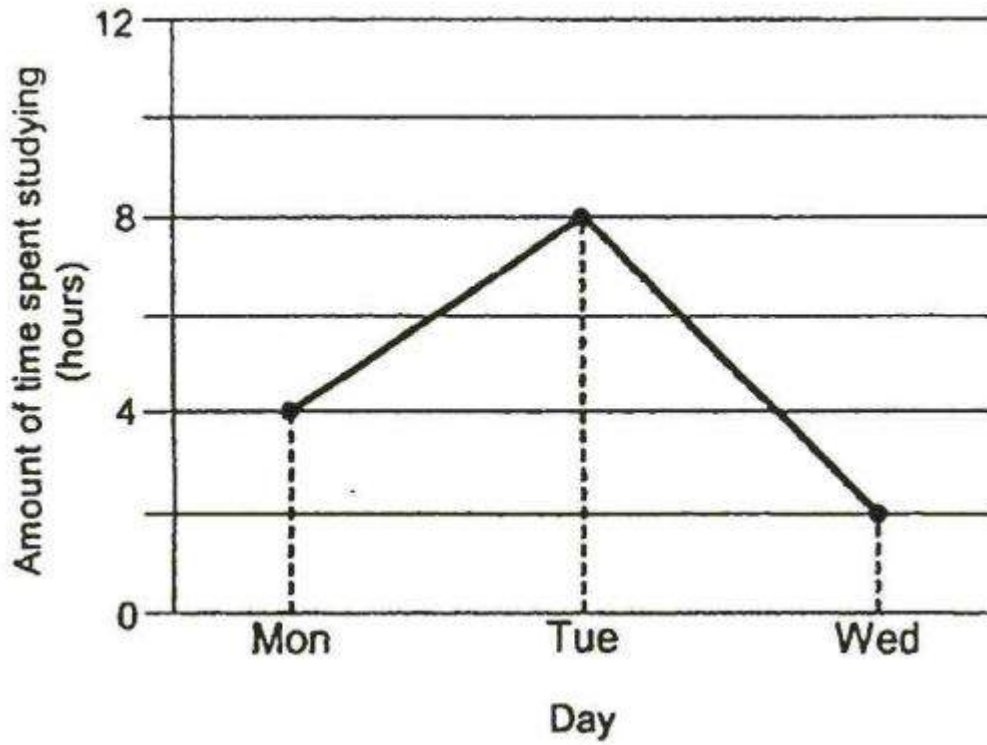
Day	Amount of time spent studying (hours)
Mon	4
Tue	6
Wed	2.5

Which line graph best represents the information given in the table above?

A)

B)

C)

D)

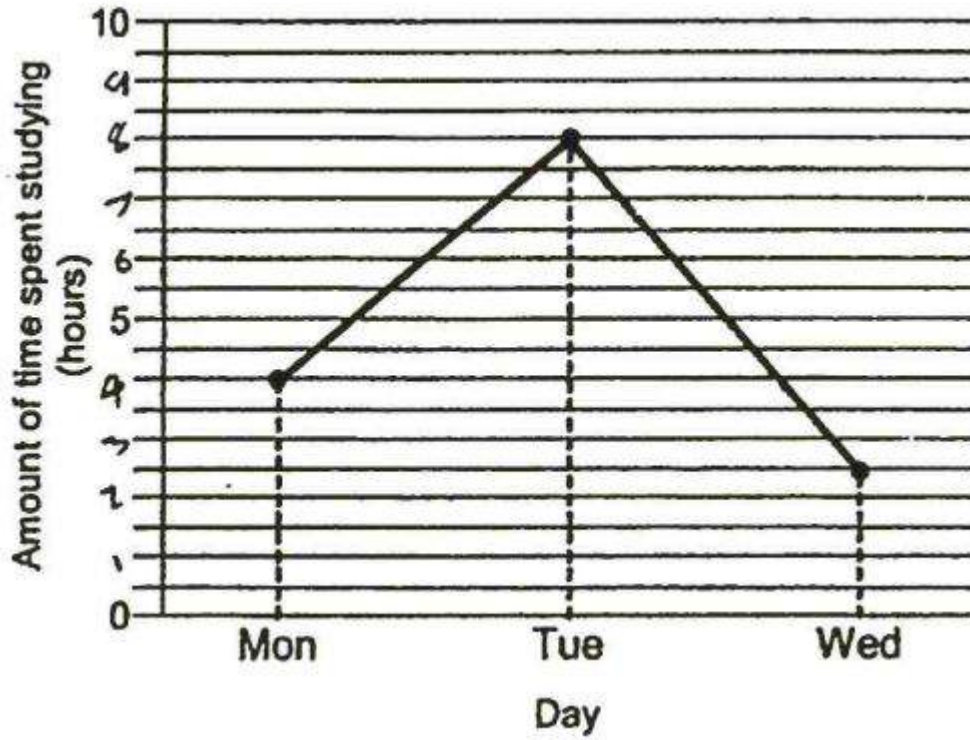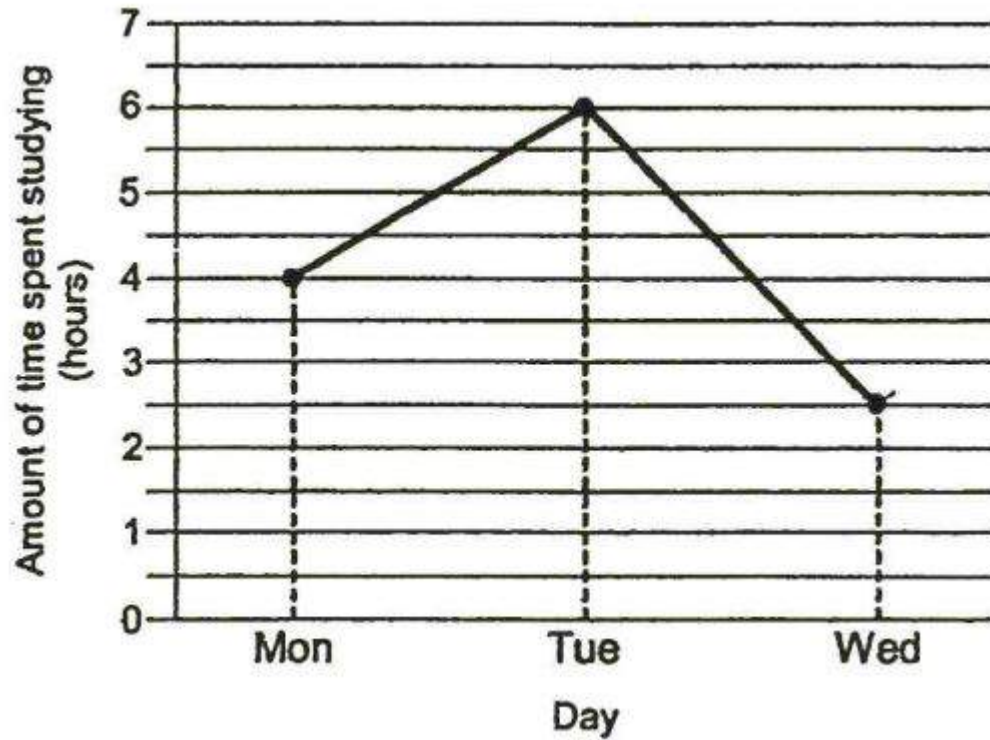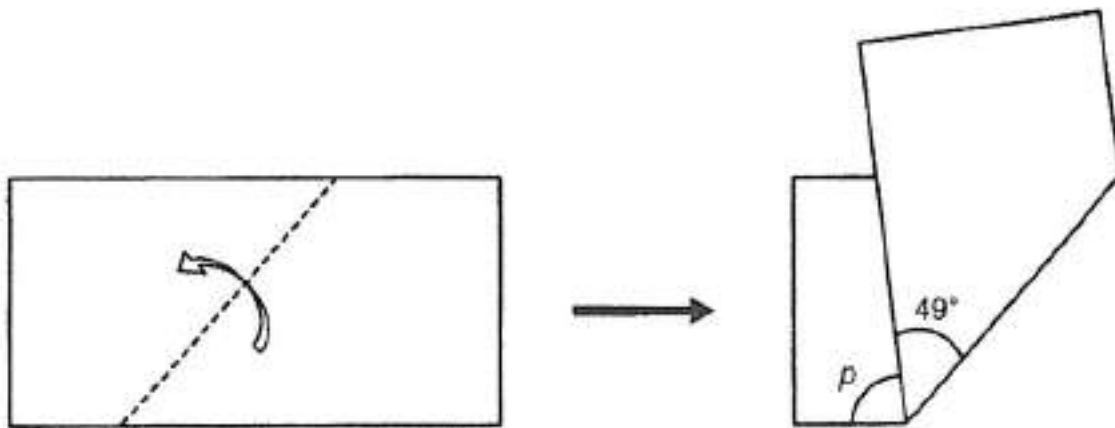**Question 5 of 55** Primary 6 Math (Term 2) 2 pts

A rectangular piece of paper was folded along the dotted line as shown below. Find ∠p.

49°

p

A) 131°

B) 82°

C) 49°

D) 41°

Question 6 of 55   Primary 6 Math (Term 2)   2 pts

Jiale spent $\frac{5}{8}$ of her money on a purse and 7 similar markers. The cost of each marker is $\frac{1}{6}$ of her remaining money. The total cost of the 7 markers is $12 more than the cost of a purse. How much did Jiale have at first?

- A) $20
- B) $22
- C) $48
- D) $64

Question 7 of 55   Primary 6 Math (Term 2)   1 pt

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

- A) 11
- B) 13
- C) 20
- D) 22

Question 8 of 55   Primary 6 Math (Term 2)   1 pt

Which of the following is the same as 5080 g?

- A) 5 kg 8 g
- B) 5 kg 80 g
- C) 50 kg 8 g
- D) 50 kg 80 g

Question 9 of 55   Primary 6 Math (Term 2)   1 pt

After donating 25% of his savings, Jack had $60 of his savings left.
How much money did he have in his savings at first?

A) $75
B) $80
C) $105
D) $240

Question 10 of 55   Primary 6 Math (Term 2)   1 pt

James received $150 from his father each month as pocket money. The graph
shows the amount of pocket money he spent each month from March to June.
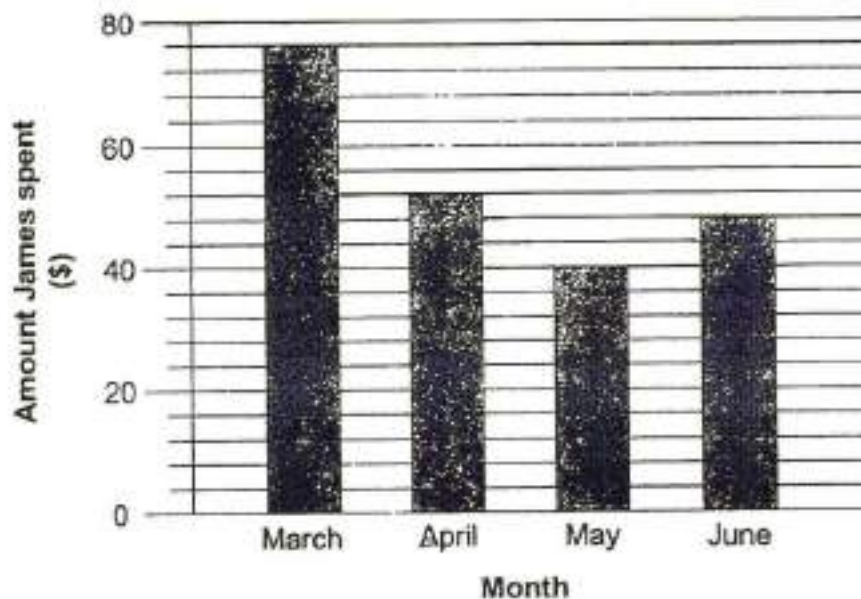
In which month did James spend about half his pocket money?

A) March
B) April
C) May
D) June

James received $150 from his father each month as pocket money. The graph shows the amount of pocket money he spent each month from March to June.
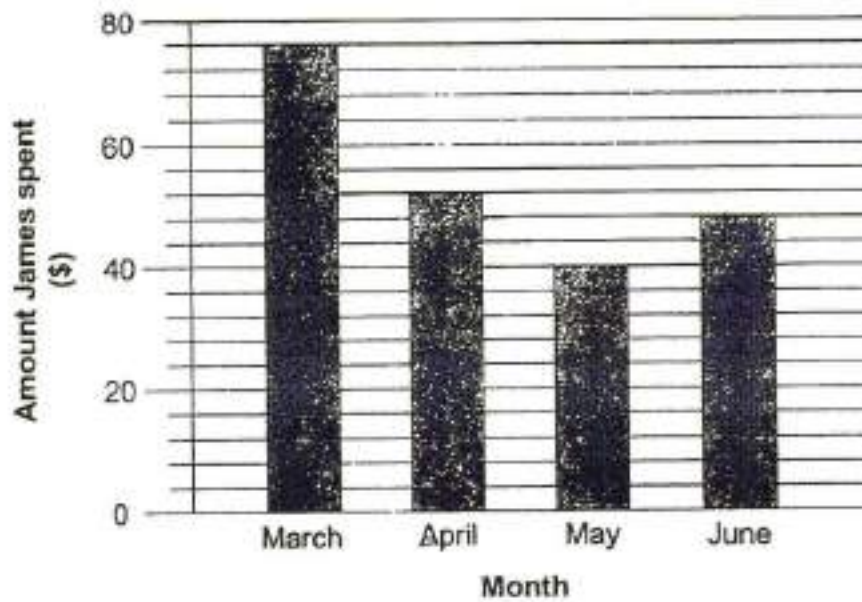
What is the average amount of money that James spent in each month from March to May?

A) $42

B) $46

C) $54

D) $56

Question 12 of 55   Primary 6 Math (Term 2)   1 pt

The figures below are drawn on a square grid. Which one of the following figures is an example of a rhombus?

(1)   (2)   (3)   (4)
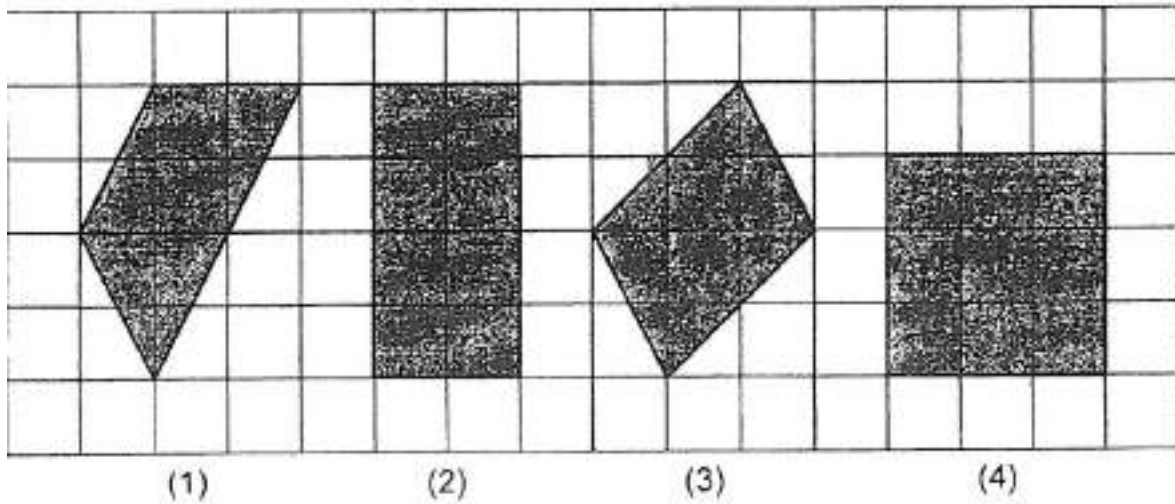
A)   1

B)   2

C)   3

D)   4

Question 13 of 55   Primary 6 Math (Term 2)   1 pt

In the figure below, PQRS is a trapezium and RT = RS.
PQ is parallel to SR. Find ∠PQR.

A) 75º

B) 105º

C) 110º

D) 140º
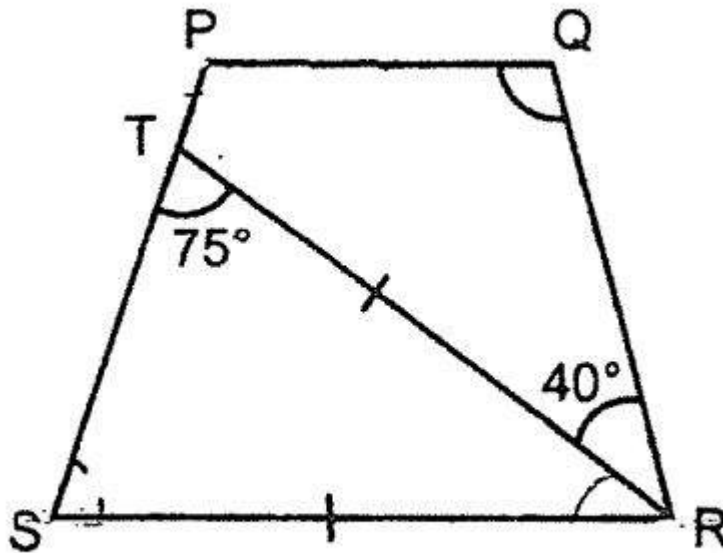
Question 14 of 55   Primary 6 Math (Term 2)   1 pt

There are 16 girls in a class of 36 pupils. What is the ratio of the number of girls to the number of boys?

A) 4:05

B) 4:09

C) 5:04

D) 5:09

Question 15 of 55   Primary 6 Math (Term 2)   1 pt

What is the length of the crayon shown in the figure below?
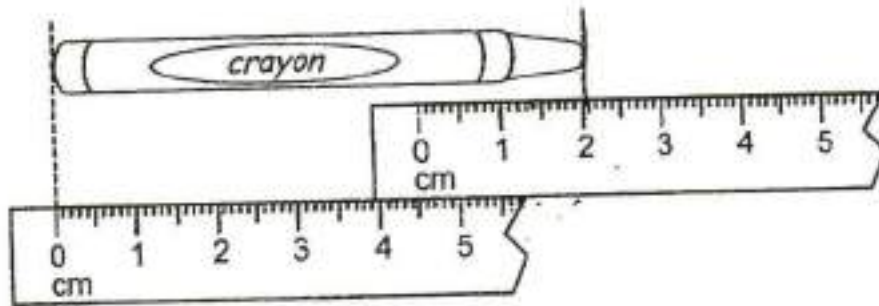
A) 6.0 cm

B) 6.5 cm

C) 6.7 cm

D) 7.0 cm

Books in a library are grouped according to the following types: Adventure, Comics, Fantasy and Mystery. The bar graph shows the number of each type of books in the library. The bar that shows the number of Mystery books has not been drawn.
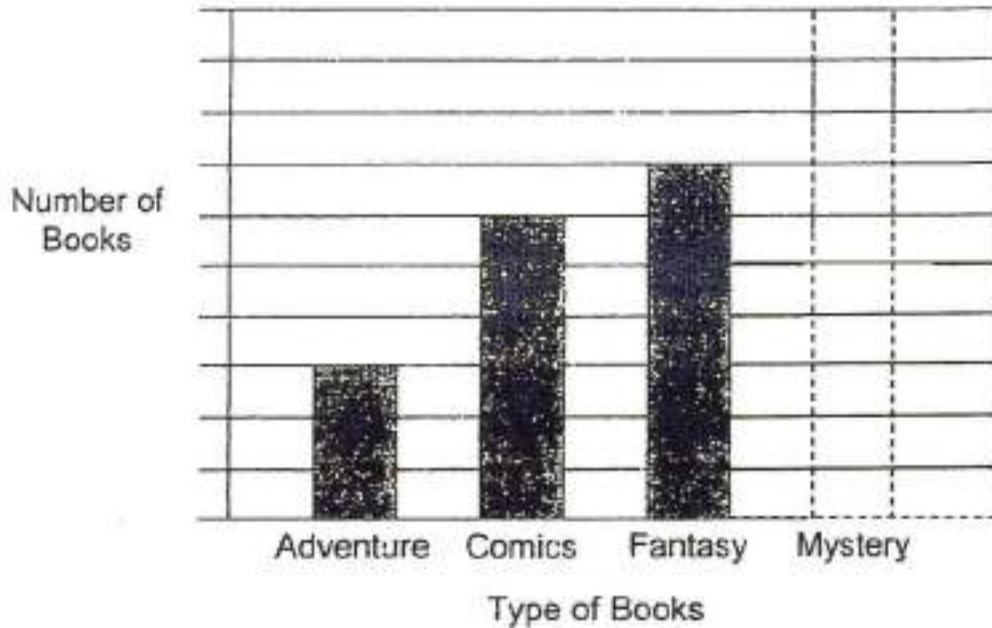
35% of all the books in the library are Fantasy books.
In the graph above, draw the bar to show the number of Mystery books in the library.

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.

In the grid below, two lines EF and FG have been drawn.

EF and FG are two sides of a parallelogram EFGH. Complete the drawing of the parallelogram EFGH. [1]

GF also forms a side of a square GFKL. K and L are two dots in the grid. Complete the drawing of the square GFKL such that it does not overlap with parallelogram EFGH. [1]

EF also forms one side of an isosceles triangle EFX in which EF = FX and ∠EFX is less than 90°. X is a dot in the grid. Complete the drawing of the triangle EFX such that it does not overlap with parallelogram EFGH. [1]
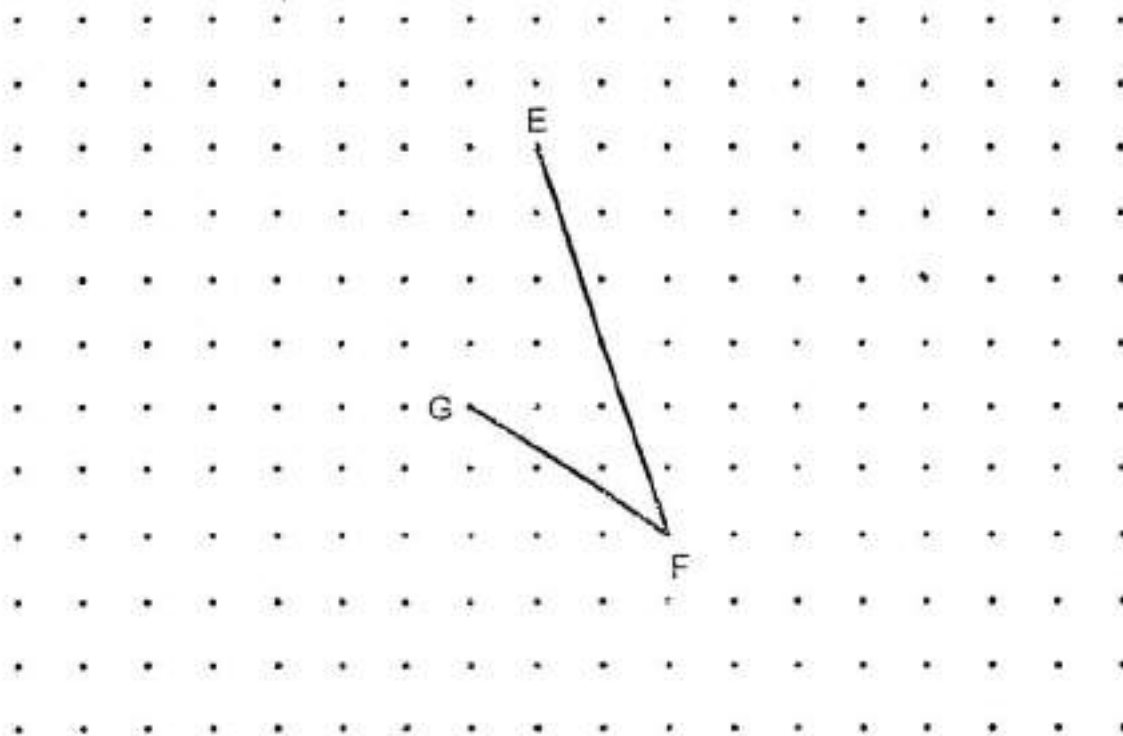
This question is designed for extended answers that parent/ teacher will have to assign and guide child to attempt after the test has been completed.

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 18 of 55   Primary 6 Math (Term 2)   1 pt

A supermarket prepared vouchers of three different values for a lucky draw. The value of each voucher was either $10, $20 or $50.
There were half as many twenty-dollar vouchers as the total number of ten-dollar and fifty-dollar vouchers.
The ratio of the number of ten-dollar to fifty-dollar vouchers was 5 : 3.
The total value of all the vouchers prepared was $4760.

What is the ratio of the number of twenty-dollar to ten-dollar to fifty-dollar vouchers?

Question 19 of 55   Primary 6 Math (Term 2)   3 pts

A supermarket prepared vouchers of three different values for a lucky draw. The value of each voucher was either $10, $20 or $50.
There were half as many twenty-dollar vouchers as the total number of ten-dollar and fifty-dollar vouchers.
The ratio of the number of ten-dollar to fifty-dollar vouchers was 5 : 3.
The total value of all the vouchers prepared was $4760.

What was the total number of vouchers prepared?

Question 20 of 55

Primary 6 Math (Term 2)   3 pts

Jacky and Michelle made some bookmarks over two days. On Monday, Jacky made 18 more bookmarks than Michelle. On Tuesday, Jacky made another 25 bookmarks and Michelle made another 19. At the end of the two days, Jacky made $\frac{5}{8}$ of the total number of bookmarks. How many bookmarks did Michelle make altogether?

Question 21 of 55

Primary 6 Math (Term 2)   3 pts

Liz spent $68.50 on 3 bars of chocolate, 4 boxes of cookies and a bag of sweets. The cost of each bar of chocolate is $\frac{2}{5}$ as much as each box of cookies. The bag of sweets cost $1.50 less than each bar of chocolate. What is the cost of the bag of sweets?

Question 22 of 55

Primary 6 Math (Term 2)   1 pt

Each question carries 1 mark. For questions which require units, give your answers in the units stated. (5 marks)

Find the value of 12.4 - 8.07.

Question 23 of 55   Primary 6 Math (Term 2)   1 pt

Express 2.93 metres in centimetres.

Question 24 of 55   Primary 6 Math (Term 2)   3 pts

On Monday, Jimmy paid $42.90 for 9 jars and some marbles at a shop.
On Tuesday, he went to the same shop and paid $64.70 for 11 jars and
some marbles. Each jar cost $1. He bought 66 more marbles on
Tuesday than Monday. Jimmy packed all the marbles he bought into the
20 jars. Some jars contained 12 marbles while the rest contained 16.
Given that the cost of each marble was the same,

How many marbles did Jimmy buy altogether?

Question 25 of 55   Primary 6 Math (Term 2)   2 pts

On Monday, Jimmy paid $42.90 for 9 jars and some marbles at a shop.
On Tuesday, he went to the same shop and paid $64.70 for 11 jars and
some marbles. Each jar cost $1. He bought 66 more marbles on
Tuesday than Monday. Jimmy packed all the marbles he bought into the
20 jars. Some jars contained 12 marbles while the rest contained 16.
Given that the cost of each marble was the same,

How many jars contained 16 marbles?

In the figure below, ∠PRQ = 41°, ∠PQR = 64° and ∠SPQ = 32°.
Find ∠RPS.
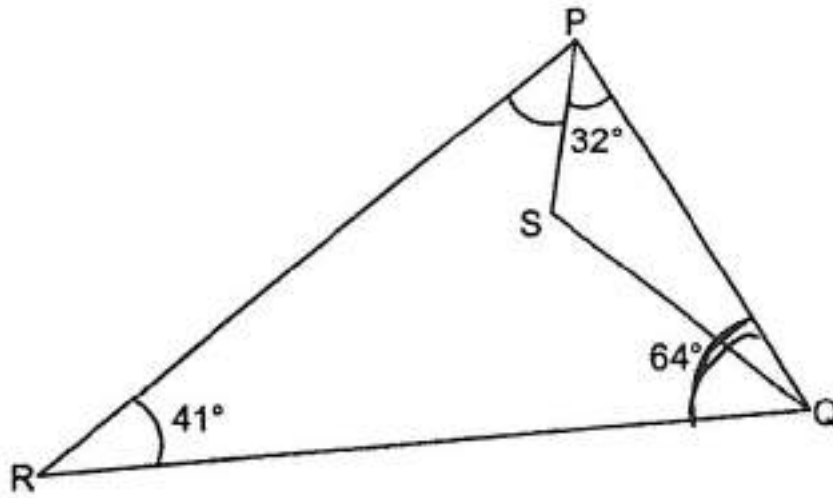
Question 27 of 55   Primary 6 Math (Term 2)   1 pt

In the figure below, ADC is an equilateral triangle. Find ∠DCB.
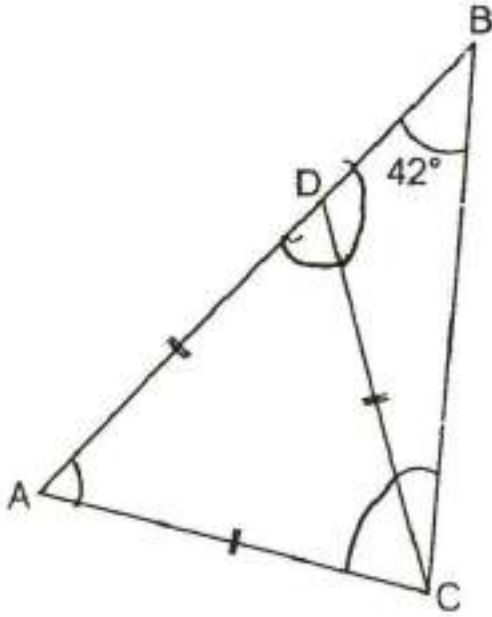
The shaded figure below shows a rug. The outline of the rug is formed by semicircles and quarter circles, each of radius 7 cm.
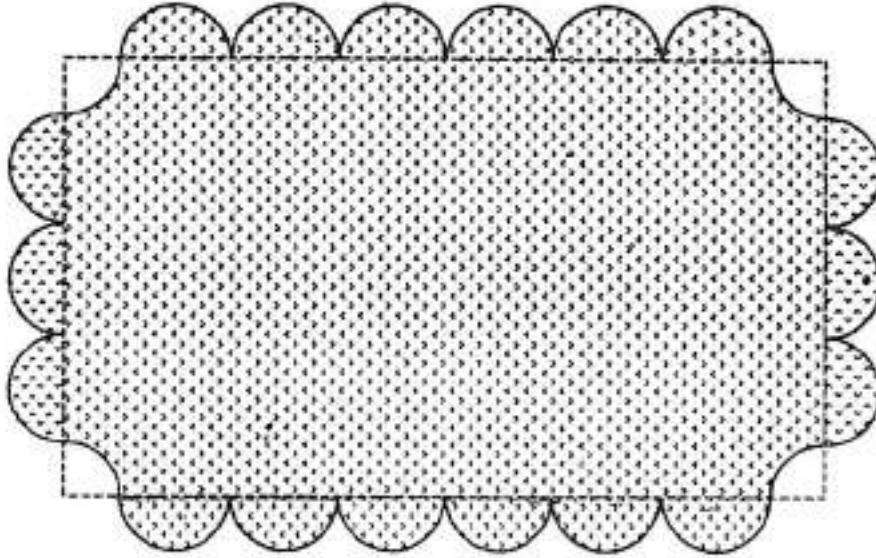
$$\left(\text{Take } \pi = \frac{22}{7}\right)$$

Find the perimeter of the rug.

Question 29 of 55 Primary 6 Math (Term 2) 3 pts

The shaded figure below shows a rug. The outline of the rug is formed by semicircles and quarter circles, each of radius 7 cm.

$$(\text{Take } \pi = \frac{22}{7})$$
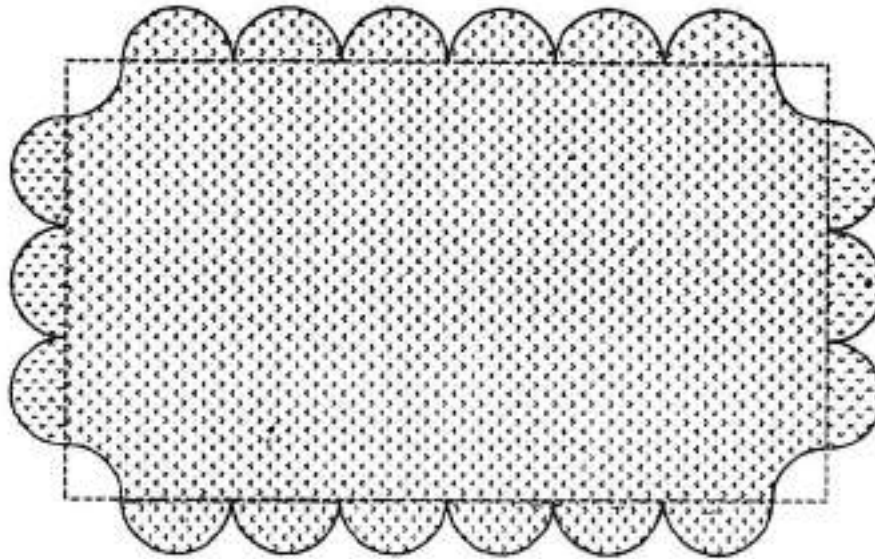
Find the area of the rug.

Question 30 of 55 Primary 6 Math (Term 2) 1 pt

Express 0.009 as a percentage.

Ans: _____ %

Question 31 of 55   Primary 6 Math (Term 2)   2 pts

Each question carries 2 marks. Show your working clearly and give your answers in the units stated required for each question. (20 marks)

Joe had a ribbon 27 m long. He used $\frac{4}{9}$ of the ribbon to tie a present. What was the length of the ribbon used to tie the present?

Ans: _____m

Question 32 of 55   Primary 6 Math (Term 2)   3 pts

The figure shows a rectangular pond surrounded by a footpath.
The width of the footpath is 1 m throughout. The footpath is fully covered by 488 square tiles of side 0.25 m each, following the pattern shown below. Each tile is in contact with those next to it. What is the perimeter of the pond?
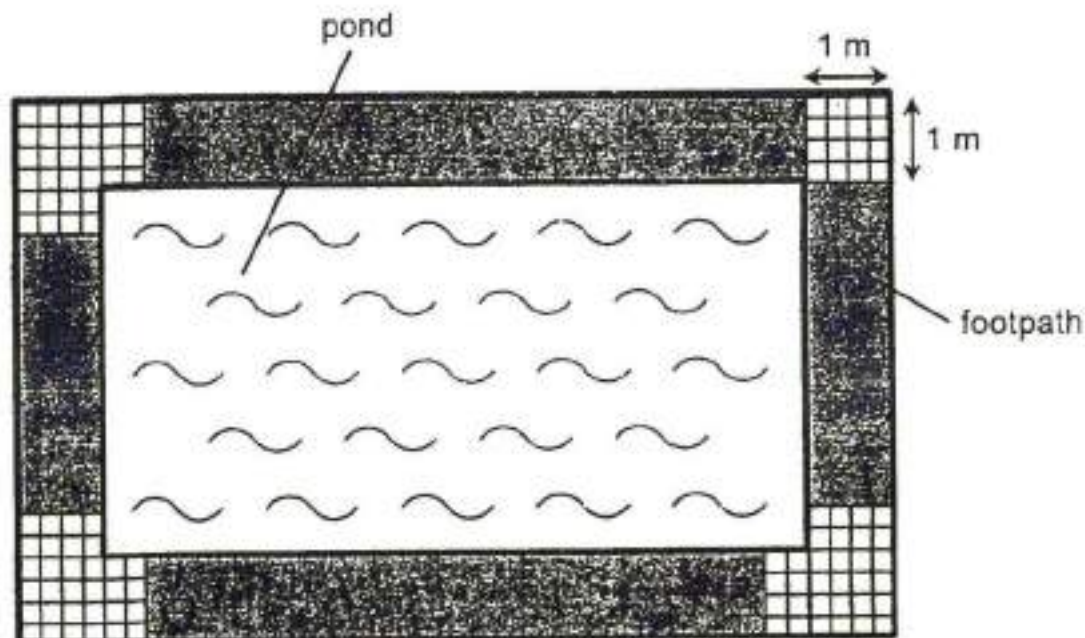
Question 33 of 55   Primary 6 Math (Term 2)   2 pts

A total of 481 teachers and principals attended a conference in an auditorium. At the end of the conference, $\frac{4}{5}$ of the teachers and $\frac{3}{4}$ of the principals left the auditorium. 26 more teachers than principals remained in the auditorium.

How many principals remained in the auditorium?

Question 34 of 55   Primary 6 Math (Term 2)   2 pts

A total of 481 teachers and principals attended a conference in an auditorium. At the end of the conference, $\frac{4}{5}$ of the teachers and $\frac{3}{4}$ of the principals left the auditorium. 26 more teachers than principals remained in the auditorium.

All the remaining teachers and principals were put into a number of groups. The number of remaining teachers were divided equally into the groups. The number of remaining principals were also divided equally into the groups. What was the greatest possible number of groups the teachers and the principals were put into?

Question 35 of 55   Primary 6 Math (Term 2)   2 pts

What is the area of triangle ABC shown below?
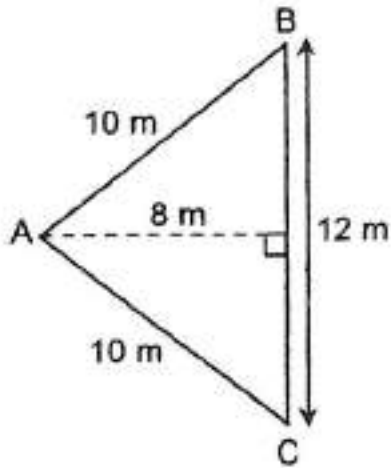
Ans: _____ m²

Question 36 of 55   Primary 6 Math (Term 2)   2 pts

How much does Ali have to pay for the bag after adding 7% GST?

$50
(Price before GST)

Ans: $ _____

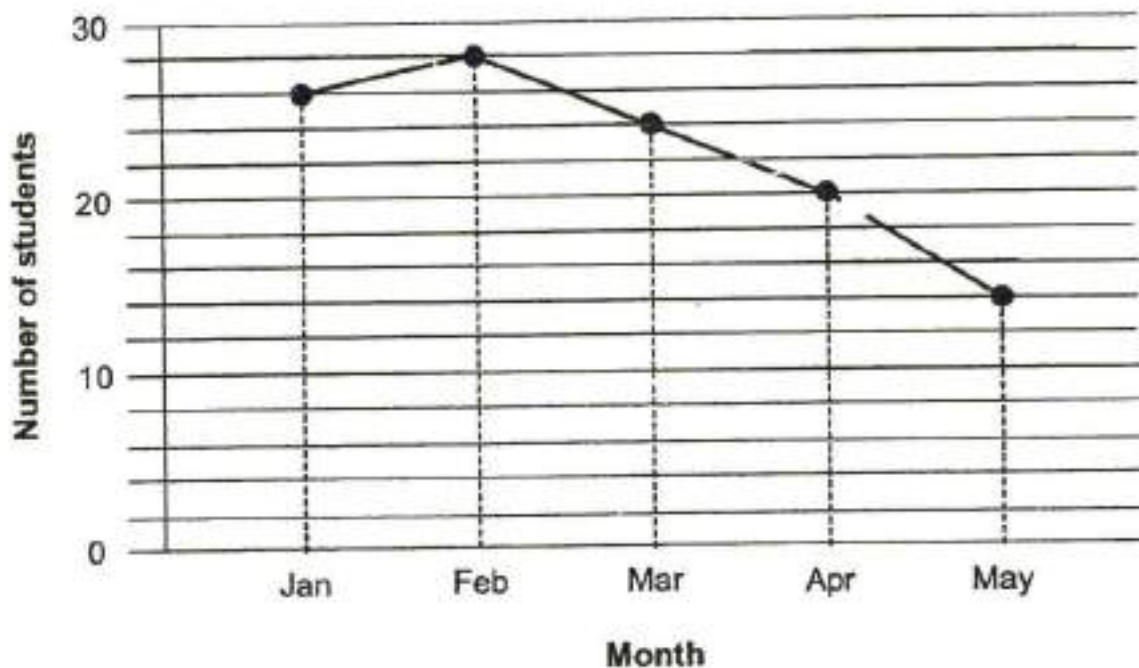**Question 37 of 55**   Primary 6 Math (Term 2)   2 pts

Find the value of $3w - \dfrac{2w}{5} + 6$ when $w = 5$

Question 38 of 55   Primary 6 Math (Term 2)   2 pts

The line graph shows the number of students who were late for school from January to May.

$\dfrac{5}{7}$ of all the students who were late were girls. How many boys were late?

Question 39 of 55   Primary 6 Math (Term 2)   2 pts

Each question carries 2 marks. Show your working clearly and give your answers in the units stated required for each question. (10 marks)

The figure shows a semicircle and 2 quarter circles inside a square of side 30 cm. Find the area of the shaded part. (Take $\pi = 3.14$)
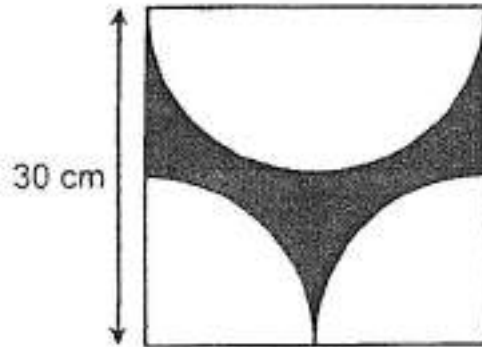
Ans: _____ cm^2

Gabriel had a rectangular piece of paper as shown in Figure 1. The ratio of the length to the breadth of the paper was 3 : 2.
He cut out 6 semicircles each of diameter 14 cm as shown in Figure 2.
The breadth was now three times as long as the length of AB.
Find the perimeter of the rectangular piece of paper in Figure 1.
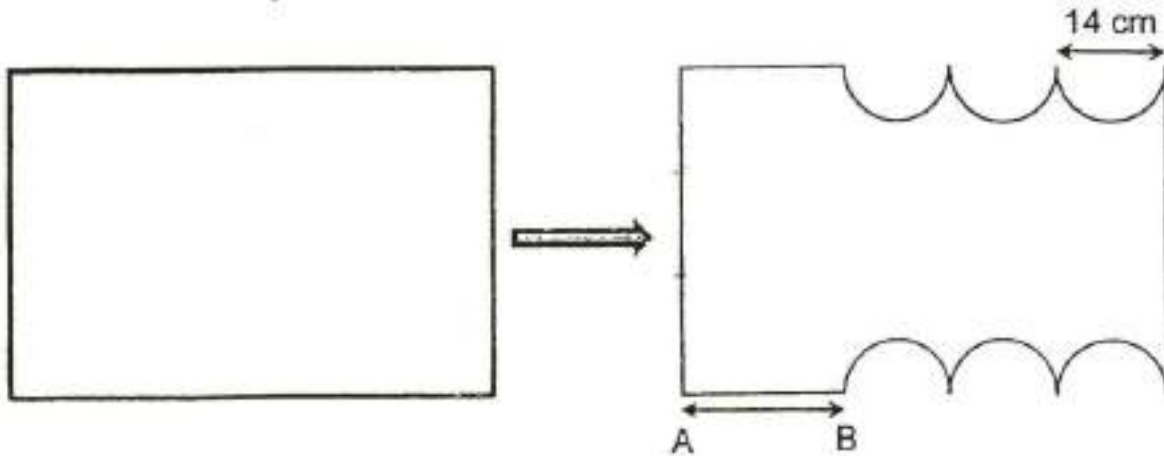
(Take $\pi = \dfrac{22}{7}$)

Figure 1   Figure 2

Question 41 of 55   Primary 6 Math (Term 2)   1 pt

Julia played a total of four games in a competition. The scores are shown below.

Game	Score
1st	33
2nd	23
3rd	?
4th	28

Her average score for the first three games was 24.

What was her score for the 3rd game?

Question 42 of 55   Primary 6 Math (Term 2)   1 pt

Julia played a total of four games in a competition. The scores are shown below.

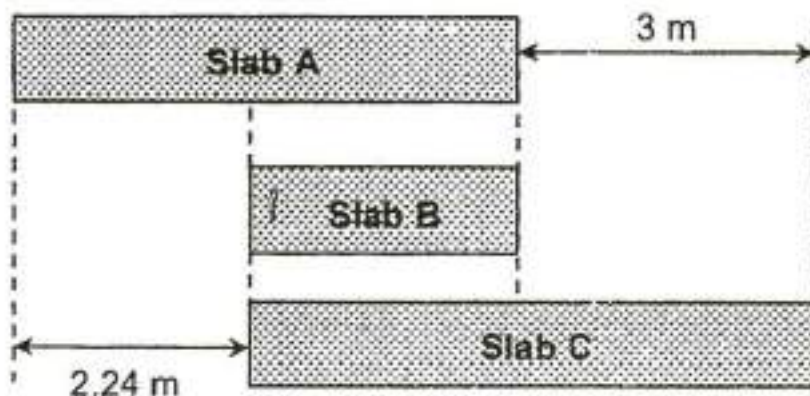| Game	Score
1st	33
2nd	23
3rd	?
4th	28

Her average score for the first three games was 24.

What was the percentage increase in her score from the 3rd to the 4th game?

Question 43 of 55   Primary 6 Math (Term 2)   2 pts

The figures below show 3 concrete slabs. The total length of the 3 concrete slabs is 9.98 m. Find the length of concrete slab B.

Ans: _____ m

Question 44 of 55   Primary 6 Math (Term 2)   2 pts

The table below shows the number of 4 different coloured T-shirts sold by a shop in the month of March.

Colour of T-shirt	Number of T-shirts sold
Red	82
Yellow	117
Green	65
Blue	?

30% of all the T-shirts sold were yellow. How many blue T-shirts were sold?

The figure below is formed using 4 rhombuses and 4 equilateral triangles. XY is a straight line measuring 9 cm. Find the perimeter of the figure.
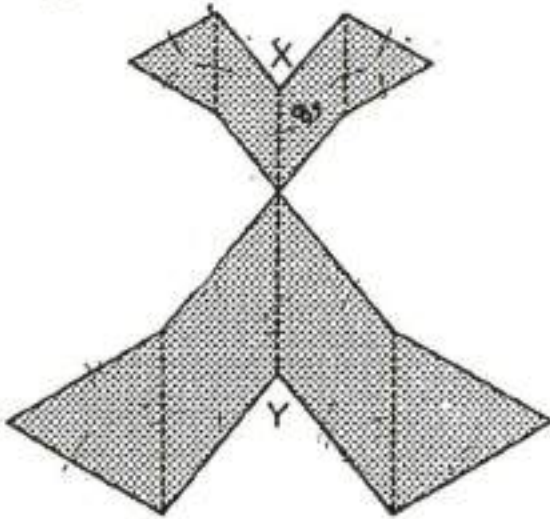
Ans: _____ cm

Question 46 of 55   Primary 6 Math (Term 2)   2 pts

In the figure below, ABCD is a parallelogram, EFCG is a square and
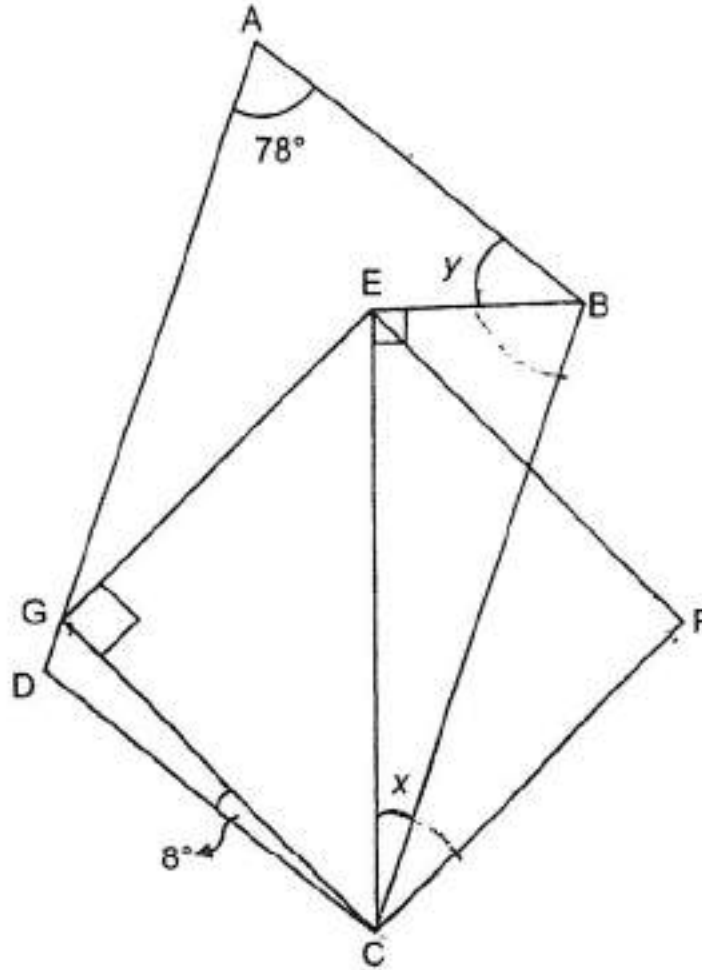CEB is a right-angled triangle. $\angle GCD = 8°$ and $\angle GAB = 78°$.
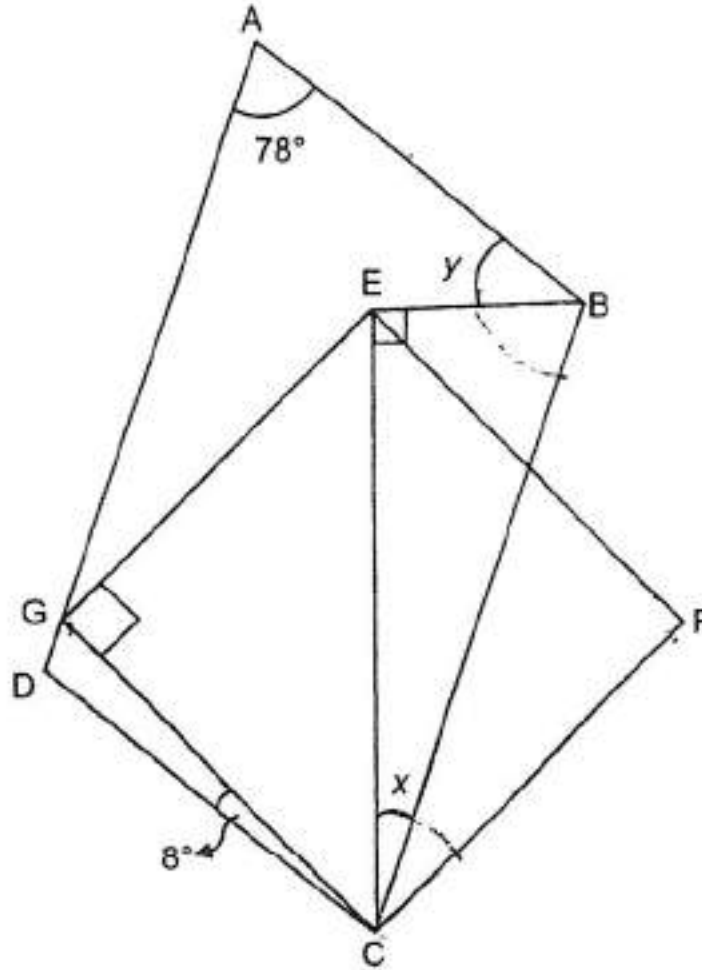

Find Angle x.

Question 47 of 55   Primary 6 Math (Term 2)   2 pts

In the figure below, ABCD is a parallelogram, EFCG is a square and CEB is a right-angled triangle. $\angle GCD = 8°$ and $\angle GAB = 78°$.

A

78°

E   y   B

G   F

D

8°

x

C

Find Angle y.

Question 48 of 55   Primary 6 Math (Term 2)   2 pts

The ratio of the number of girls to the number of boys in a camp is 2 : 3. 65 girls left the camp and the ratio of the number of girls to the number of boys became 1 : 4. Find the total number of children at the camp at first.

Question 49 of 55   Primary 6 Math (Term 2)   3 pts

A school hall was decorated with 60 yellow and 60 blue balloons for a graduation ceremony. Mrs Lee bought more balloons to decorate the hall. 35% of the balloons she bought were yellow and the rest were blue balloons. After all the balloons were put up, the number of yellow and blue balloons was in the ratio 5 : 8.

How many yellow and blue balloons were there in the hall now?

Question 50 of 55   Primary 6 Math (Term 2)   2 pts

A school hall was decorated with 60 yellow and 60 blue balloons for a graduation ceremony. Mrs Lee bought more balloons to decorate the hall. 35% of the balloons she bought were yellow and the rest were blue balloons. After all the balloons were put up, the number of yellow and blue balloons was in the ratio 5 : 8.

Mrs Lee then bought some pink balloons and put them up in the hall. 20% of the balloons in the hall were pink. How many pink balloons did she buy?

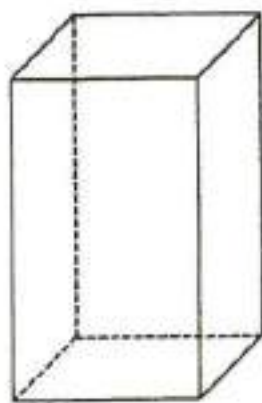**Question 51 of 55**   Primary 6 Math (Term 2)   2 pts

Charlie used $\frac{2}{7}$ of his money to buy 4 packets of flour and 7 packets of sugar. The cost of 2 packets of flour was the same as that of 3 packets of sugar. What was the most number of packets of sugar that Charlie could buy with the money he had left?

Question 52 of 55   Primary 6 Math (Term 2)   2 pts

Tank P measures 20 cm by 10 cm by 60 cm.

Tank P

Joe poured 4 pails of water into tank P. Each pail contained 1.2 litres of water. How much more water would Joe need to fill tank P to the brim? Express your answer in litres.

Ans: _____ litres

Question 53 of 55   Primary 6 Math (Term 2)   2 pts

Mrs Sim baked three kinds of buns: red bean, mushroom and cheese

buns. After selling $\frac{2}{3}$ of the red bean buns, $\frac{1}{5}$ of the mushroom buns and

$\frac{5}{7}$ of the cheese buns, there was an equal number of buns of each kind

left. What was the ratio of the number of red bean buns to mushroom

buns to cheese buns Mrs Sim baked?

Question 54 of 55   Primary 6 Math (Term 2)   1 pt

The table below shows the number of tickets sold for a performance last
week.

Day	Number of tickets sold
Monday to Friday	$3m$ per day
Saturday	$6m + 25$
Sunday	$4m - 7$

Express the total number of tickets sold last week in terms of m.
Give your answer in the simplest form.

Question 55 of 55   Primary 6 Math (Term 2)   2 pts

The table below shows the number of tickets sold for a performance last week.

Day	Number of tickets sold
Monday to Friday	$3m$ per day
Saturday	$6m + 25$
Sunday	$4m - 7$

The average number of tickets sold each day last week was 174.
Find the value of m.