Test: Primary 6 Math (Term 4) - Nanyang (Y0)

Points: 53 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 56	Primary 6 Math (Prelim)	1 pt

Which of the following numbers is 12 000 when rounded to the nearest hundred?

___

○ **A)**   11 908
○ **B)**   11 950
○ **C)**   12 089
○ **D)**   12 095

Question 2 of 56	Primary 6 Math (Prelim)	1 pt

4 tens and 28 hundredths is _____.

___

○ **A)**   40.28
○ **B)**   40.028
○ **C)**   4.280
○ **D)**   4028

Question 3 of 56   Primary 6 Math (Prelim)   1 pt

In the scale below, what is the value of A?

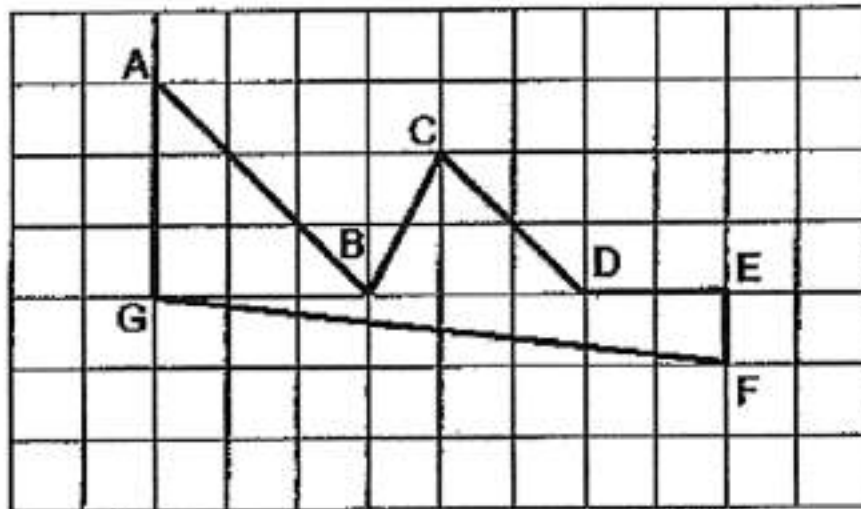36.03   36.09

↑
A
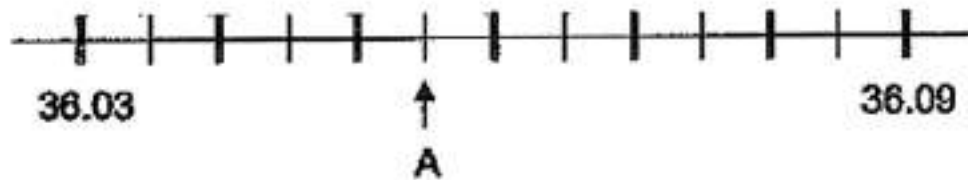
- **A)** 36.035
- **B)** 36.051
- **C)** 36.055
- **D)** 36.550

Question 4 of 56   Primary 6 Math (Prelim)   1 pt

Which pair of lines Is parallel?
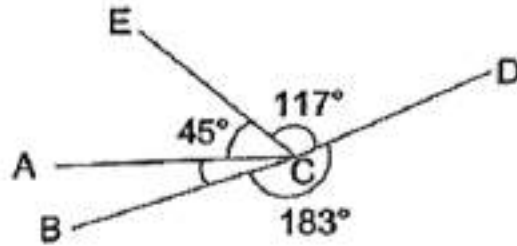

- **A)** DE and EF
- **B)** AG and BC
- **C)** AB and CD
- **D)** CD and FG

Question 5 of 56   Primary 6 Math (Prelim)   1 pt

In the figure below, ∠BCD = 183°, ∠ECD = 117° and ∠ACE = 45°
Find ∠BCA.

A)   15
B)   18
C)   35
D)   60

In the figure below, PQRS is a rhombus.
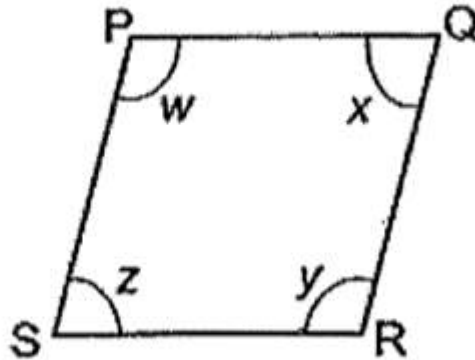
Which of the following statements is **false?**

A)   w=y

B)   PQ=PS

C)   PQ // SR

D)   x+z=180

Question 7 of 56   Primary 6 Math (Prelim)   1 pt

A wheel of radius 14 cm made 10 complete turns. Find the distance covered. Take $\pi = \dfrac{22}{7}$

14 cm

○ **A)** 440cm

○ **B)** 880cm

○ **C)** 1760cm

○ **D)** 6160cm

Question 8 of 56   Primary 6 Math (Prelim)   1 pt

Mrs Field (6n+1) coconuts on Monday. She sold n more coconuts on Tuesday than on Monday. How many coconuts did she sell altogether?

○ **A)** 7n + 1

○ **B)** 11n + 2

○ **C)** 13n + 1

○ **D)** 13n + 2

Question 9 of 56   Primary 6 Math (Prelim)   1 pt
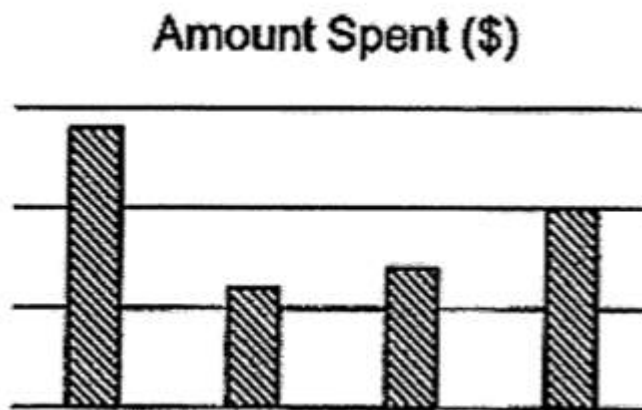
The table below shows how Megan spent her money.

	Magazine	Story Book	Eraser	Pencil Case
Amount spent ($)	6	10	10	14

Which of the following bar graph best represents Megan's spending?

A)

Amount Spent ($)

B)
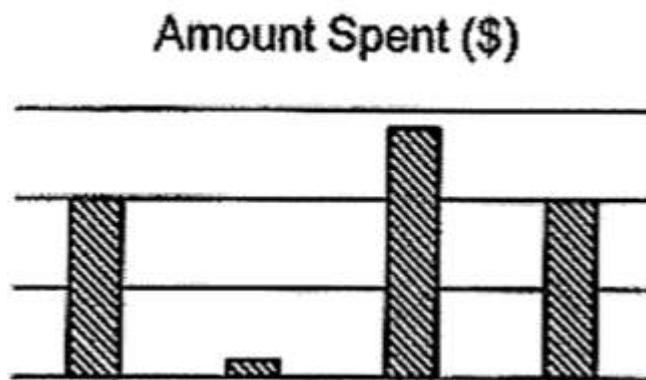
Amount Spent ($)

C)

Amount Spent ($)

⚪ **D)**

Amount Spent ($)

Which of the following is likely to be the volume of a can of soft drink?

A)   3.3ml

B)   33ml

C)   330ml

D)   3300ml

Which of the following fractions is nearest to $\frac{2}{3}$?

A)

$$\frac{3}{4}$$

B)

$$\frac{5}{6}$$

C)

$$\frac{7}{9}$$

D)

$$\frac{1}{3}$$

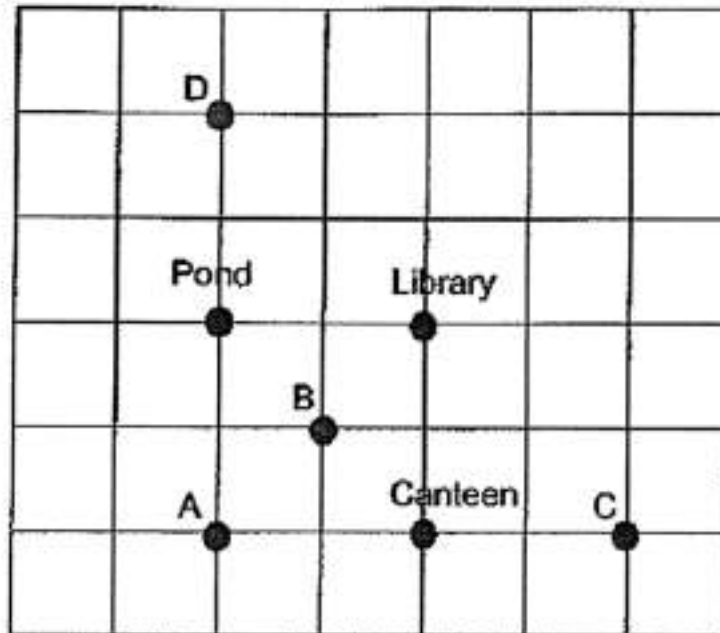Seven landmarks on a map of a school are shown in the square grid below. The library is north of the pond. Samad is standing at a location south-east of the library and south of the canteen. Which landmark is Samad standing at?
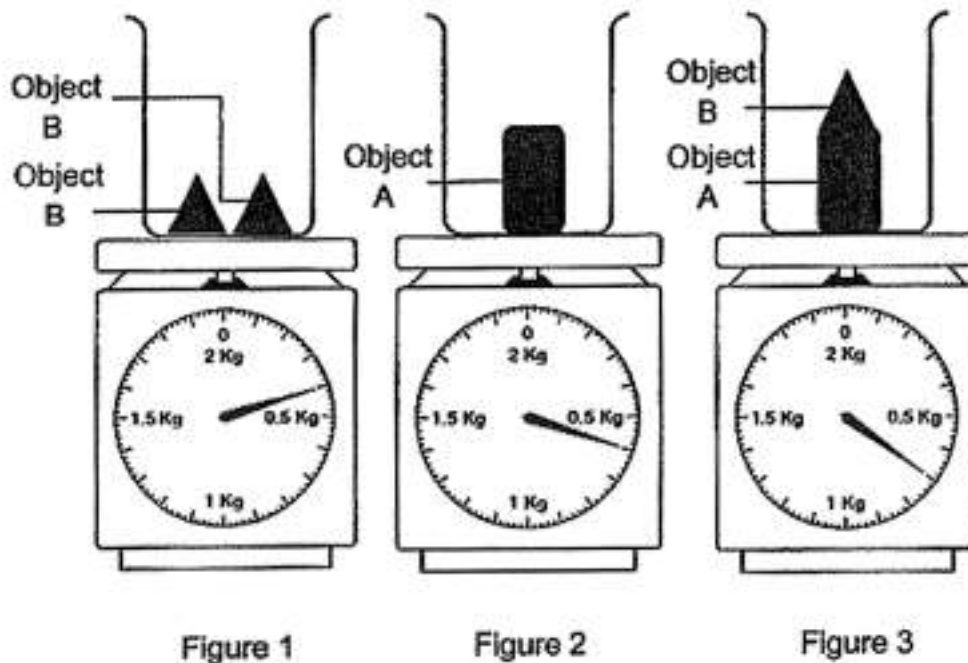

A) A

B) B

C) C

D) D

Question 13 of 56   Primary 6 Math (Prelim)   1 pt

Two of Object B are placed into a beaker on a weighing scale as shown
in Figure 1.   Object A is placed into an identical beaker as shown in
Figure 2.   Object A and Object B are placed into an identical beaker as
shown in Figure 3.   Find the mass of the empty beaker.

Figure 1   Figure 2   Figure 3

A)   0.1kg

B)   0.2kg

C)   0.3kg

D)   0.4kg

Question 14 of 56   Primary 6 Math (Prelim)   1 pt

At a fruit stall, the price of 3 mangoes is the same as the price of 5 grapefruits. The price of 3
mangoes is also the same as the price of 10 pears. What is the ratio of the price of a mango
to the price of a grapefruit to the price of a pear?

A)   3:10:5

B)   3:5:10

C)   10:3:6

D)   10:6:3

Question 15 of 56	Primary 6 Math (Prelim)	1 pt

A repeated pattern is formed using the numbers 0, 1 and 2. The first 18 numbers are shown below.

2	0	2	1	2	0	2	0	2	1	2	0	2	0	2	1	2	0

1st 2nd 3rd   18th

What is the sum of the first 100 numbers?

A) 125

B) 117

C) 116

D) 113

Question 16 of 56	Primary 6 Math (Prelim)	1 pt

Find the value of $\dfrac{5}{6} \times 24$

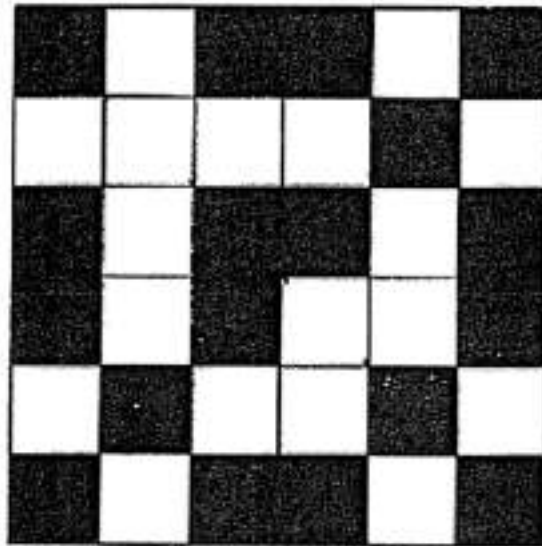| **Question 17 of 56**	Primary 6 Math (Prelim)	1 pt

Express 735ml in litres.

Question 18 of 56   Primary 6 Math (Prelim)   0 pts

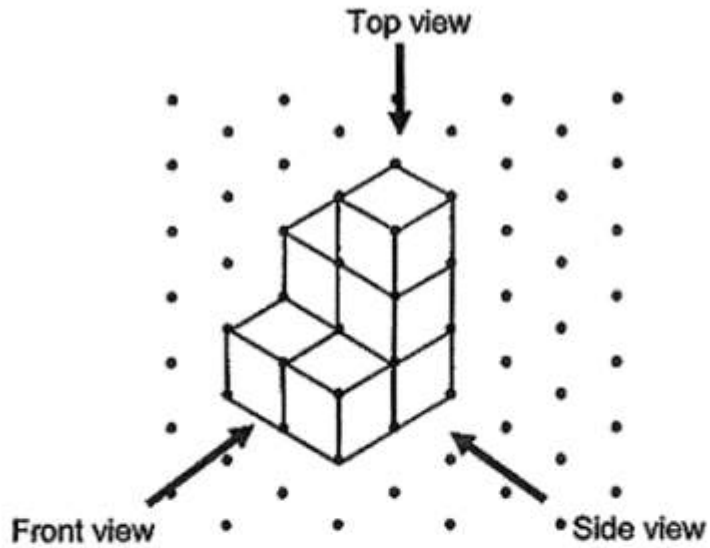There is 1 line of symmetry for the figure below.   Draw in the line of symmetry.

Please type "Done" to proceed to the next question

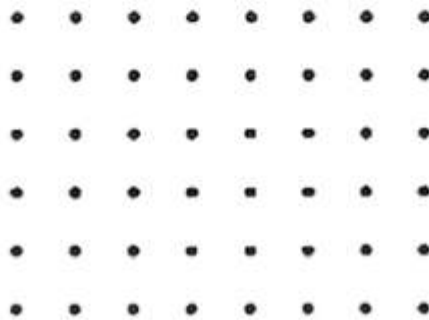Yong Yi stacked 7 unit cubes and glued them together to form the solid below.

Top view

Front view • • • • Side view

Draw the side view of the solid on the grid below.

Side view
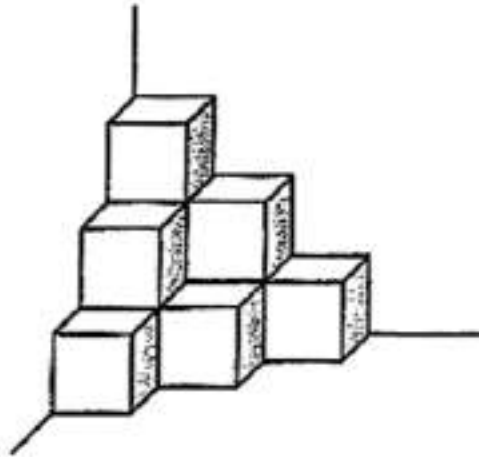

Please type "Done" to proceed to the next question

Question 20 of 56   Primary 6 Math (Prelim)   1 pt

The solid below is made up of 1-cm cubes.   What is the volume of the solid?

Question 21 of 56   Primary 6 Math (Prelim)   1 pt

Write down all the common factors of 12 and 18.

___,___,___,___,......

Question 22 of 56   Primary 6 Math (Prelim)   1 pt

Mdm Hafiz bought a table for $151.25 and a chair for $24.14

a) How much did she spend altogether?

Question 23 of 56

Primary 6 Math (Prelim)   1 pt

b) Find the cost of 20 such tables

Question 24 of 56

Primary 6 Math (Prelim)   1 pt

Michelle started reading her book at 8.56am. She stopped reading her book at 10.05am on the same day. How long did Michelle spend reading her book?

__h ___ min

Question 25 of 56

Primary 6 Math (Prelim)   1 pt

Mrs Tay baked 120 cookies on Monday and 150 cookies on Tuesday. What was the percentage increase in the number of cookies baked on Tuesday compared to Monday?

Question 26 of 56

Primary 6 Math (Prelim)   1 pt

Nayla divided some bead equally into 2 groups. She packed the first group of beads equally into 4 boxes and the second group of beads equally into 6 packets. 2 such boxes and 5 such packets contained a total of 6016 beads. How many beads were there in one such packet?

Question 27 of 56   Primary 6 Math (Prelim)   1 pt

Calissa had a piece of cloth.   She used $\frac{1}{5}$ m of it to sew a handkerchief

and $\frac{3}{5}$ m of it to sew a pouch.   She then had $\frac{1}{4}$ m of the cloth left.

What was the length of the piece of cloth Calissa had at first?

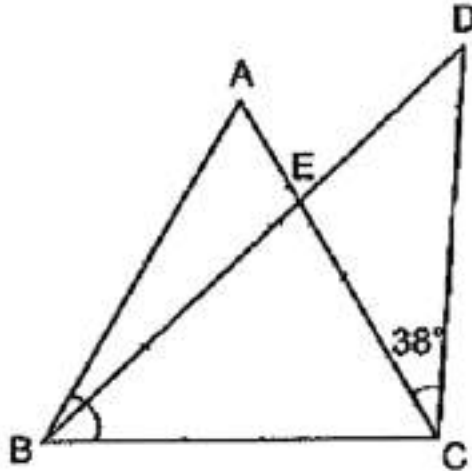**Question 28 of 56**   Primary 6 Math (Prelim)   1 pt

Kyan had 5 kg of salt.   He packed the salt into bags.   Each bag

contained $\frac{3}{8}$ kg of salt.   What was the greatest number of such bags

of salt Kyan could have packed?

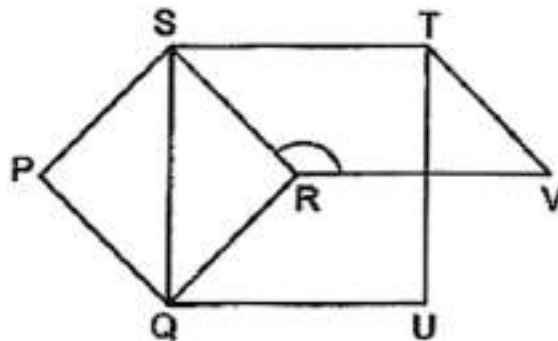**Question 29 of 56**   Primary 6 Math (Prelim)   1 pt

In the figure, ABC is an equilateral triangle.   AB = CD and ∠ACD = 38°
BED and AEC are straight lines.   Find ∠AEB.

Question 30 of 56   Primary 6 Math (Prelim)   1 pt

In the figure, PQRS and STUQ are two squares.   STVR is a
parallelogram.   Find ∠SRV.

Question 31 of 56   Primary 6 Math (Prelim)   1 pt

The table shows the number of toys produced by a factory from Monday to Sunday.

Day	Number of toys produced
Monday to Friday	2y per day
Saturday	4y – 3
Sunday	6y + 8

Find the total number of toys produced in a week given that $y = 5$.

Question 32 of 56   Primary 6 Math (Prelim)   1 pt

Carel had (5k+13) shells at first. She added k more shells and the total number of shells she had became 151. How many shells did Carel add?

Question 33 of 56   Primary 6 Math (Prelim)   1 pt

Every minute, Machine A prints 3 pages. Every hour, Machine A and Machine B print a total of 450 pages. How many pages does Machine B print per hour?

Question 34 of 56   Primary 6 Math (Prelim)   1 pt

The average of four different 2-digit odd numbers is 27. Two of the numbers are 15 and 29. What could the other two numbers be?

Diana was given $30 to buy some cupcakes from a bakery.

$2 each
30% discount for every 10 cupcakes

What was the greatest number of cupcakes Diana could buy with all her money?

ACDF and BCDE are parallelograms. $\angle AFE = 70°$ and $\angle CDB = 42°$. Find $\angle BDE$.
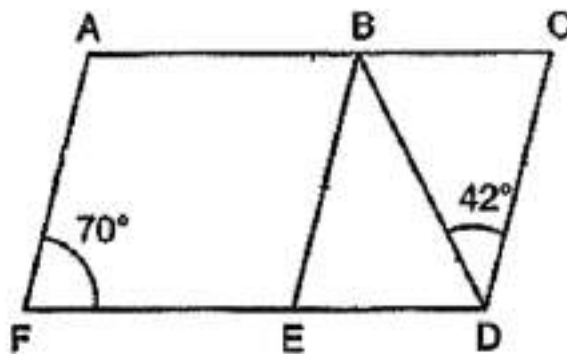
In the square grid below, JK and KL are straight lines.

(a)   Measure and write down the size of ∠JKL.

(b)   JK and KL form two sides of a trapezium JKLM.   JM is parallel to
      KL.   KL is twice the length of JM.   Complete the drawing of
      trapezium JKLM.

(c)   KL forms one side of a parallelogram KLNP.   The length of JP is
      twice the length of KP and JKP forms a straight line.   Complete
      the drawing of parallelogram KLNP such that it does not overlap
      with the trapezium.
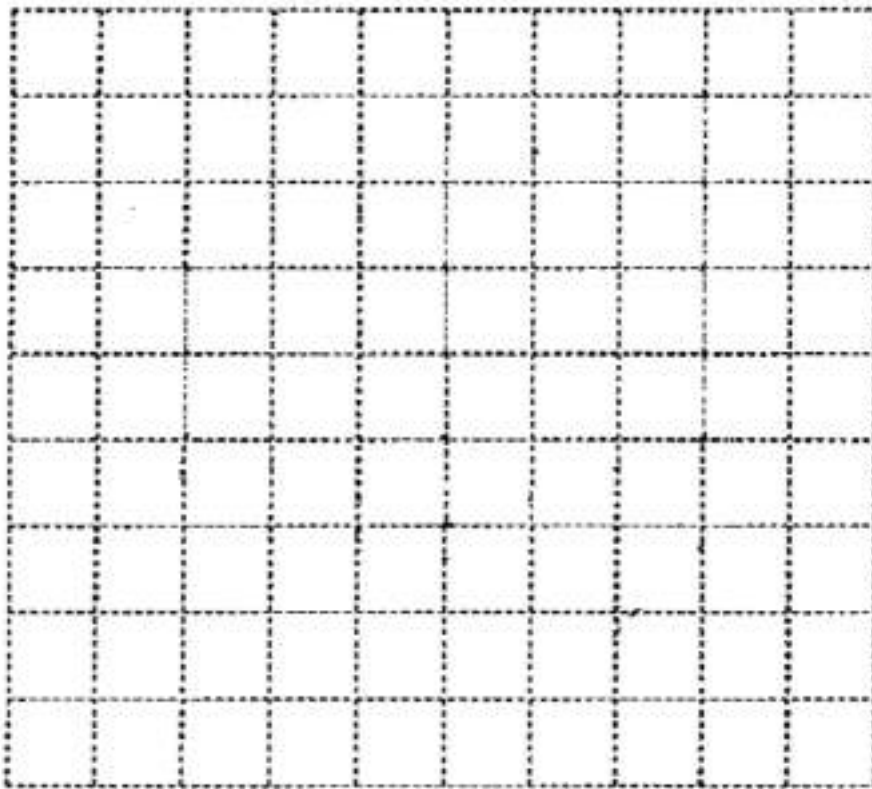
Please type "done" to proceed to the next question

Question 38 of 56   Primary 6 Math (Prelim)   1 pt

Heidi bought 4 staplers and 6 files. Each stapler cost $1.20 more than each file. The total
cost of the files was $6.40 more than the total cost of the staplers. Find the cost of one
stapler.

Question 39 of 56   Primary 6 Math (Prelim)   1 pt

Maggie baked some pies and muffins. The number of pies was $\frac{7}{11}$ of
the number of muffins. Maggie gave away 6 pies and 14 muffins. In
the end, the number of pies left was equal to the number of muffins left.
How many pies and muffins did Maggie bake altogether?

Question 40 of 56   Primary 6 Math (Prelim)   1 pt

Three children received their scores for a Mathematics test. The
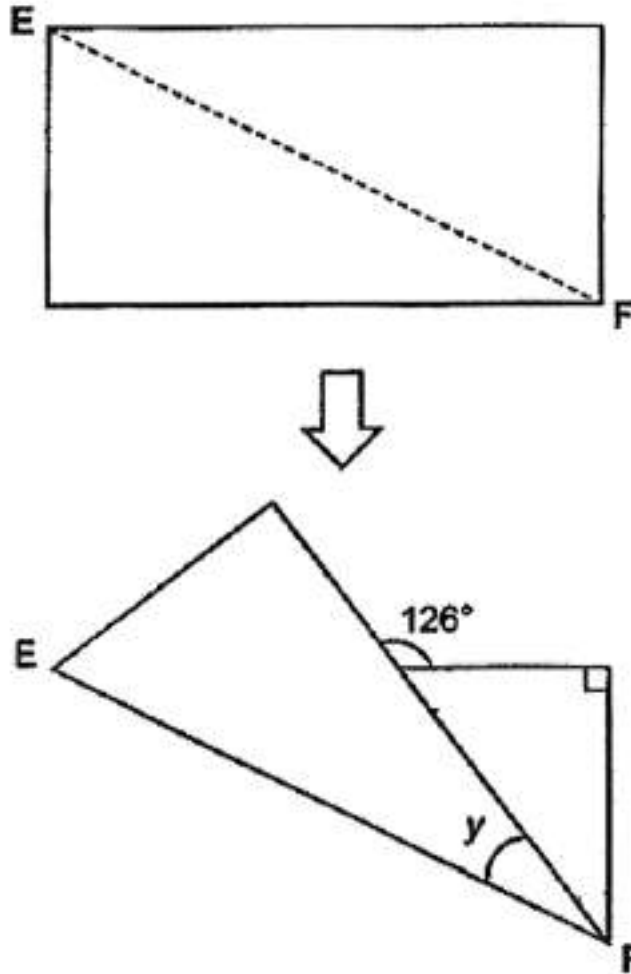average scores of any two of the three children are listed below.

Average Scores
83
86
94

What was the highest score among the three children?

Susie had a rectangular piece of paper. She folded the piece of paper along the line EF. Find ∠y.

Question 42 of 56   Primary 6 Math (Prelim)   1 pt

A rectangular tank measuring 60 cm long and 20 cm wide was $\frac{4}{5}$ - filled with water at first. After Matthias poured some water from the tank into some identical jugs, the height of the water level decreased by 18 cm. Each jug can hold at most 2.25 ℓ of water.

20 cm

60 cm
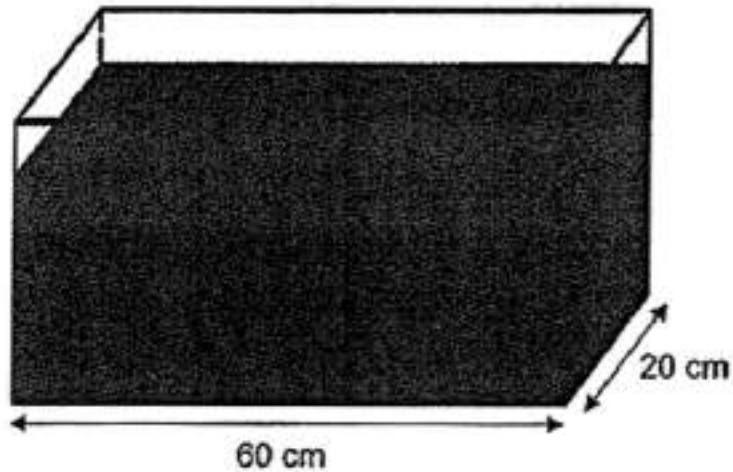
(a) What was the least number of such jugs used?

Question 43 of 56   Primary 6 Math (Prelim)   1 pt

Statement: 20% of the tank was not filled with water at first

A) True

B) False

C) Not possible to tell

Question 44 of 56   Primary 6 Math (Prelim)   1 pt

Statement: The height of the tank is 22cm

A) True

B) False

C) Not possible to tell

Question 45 of 56   Primary 6 Math (Prelim)   1 pt

Edwina and Georgie had the same number of bottles. Edwina and Georgia each had a mix of big bottles and small bottles. Edwina had 5 small bottles while Georgie had 16 big bottles. Each small bottle had a capacity of 400ml, Each big bottle had a capacity of 0.6L. The total capacity of Edwina's bottle was 0.8L more than the total capacity of Georgia's bottle.

a) How many big bottles did Edwina have?

Question 46 of 56   Primary 6 Math (Prelim)   1 pt

b) What was the total capacity of Edwina's bottles?

The table below shows the number of pupils who wear glasses in Primary 3A and the number of girls who wear glasses in Primary 3B. The number of boys who wear glasses in Primary 3B is not shown. The total number of pupils in each class is fewer than 40.

Class	Gender	Number of pupils who wear glasses
3A	Boys	12
	Girls	11
3B	Boys	?
	Girls	10

(a) The total number of pupils in Primary 3A can be divided equally into 4 groups with no pupils leftover. The total number of pupils in Primary 3A can also be divided equally into 6 groups with no pupils leftover. There are 2 girls in Primary 3A who do not wear glasses. How many boys in Primary 3A do not wear glasses?

(b) The total number of boys in Primary 3B is $\frac{5}{8}$ of the total number of pupils in Primary 3B. How many girls in Primary 3B do not wear glasses?

Question 49 of 56   Primary 6 Math (Prelim)   1 pt

There were three types of fruits in a box. The ratio of the number of mangoes to the total number of apples and oranges was 2:5. The ratio of the numbers of apples to the number of oranges was 9:1. There were 30 more apples than mangoes. After some mangoes were added into the box, 70% of the fruits in the box were mangoes.

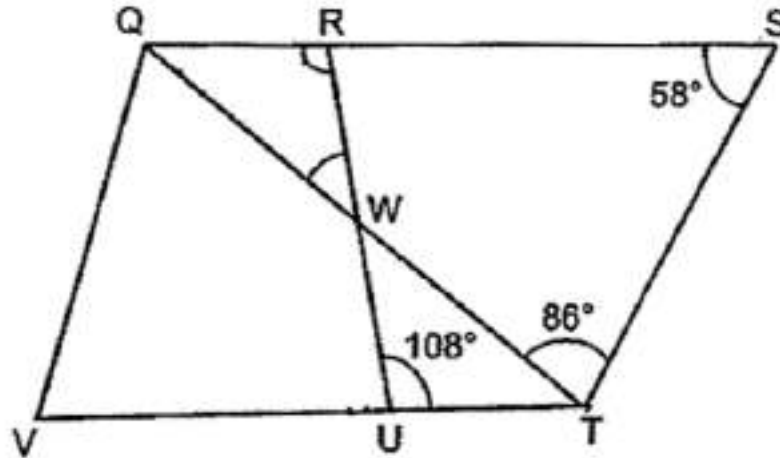a) How many mangoes were there in the end?

Question 50 of 56   Primary 6 Math (Prelim)   1 pt

b) How many mangoes were added in the box?

QRUV and RSTU are trapeziums.   QRS, VUT and QWT are straight
lines.   QS is parallel to VT.   ∠QST = 58°, ∠STQ = 86° and
∠RUT = 108°.

(a) Find ∠RWQ.

Question 52 of 56   Primary 6 Math (Prelim)   1 pt

In the following statement, circle the words that describe QRW correctly and fill in the blanks accordingly:

QRW (**is** / **is not**) an isosceles triangle because

∠ RQW (**is** / **is not**) equal to ∠RWQ
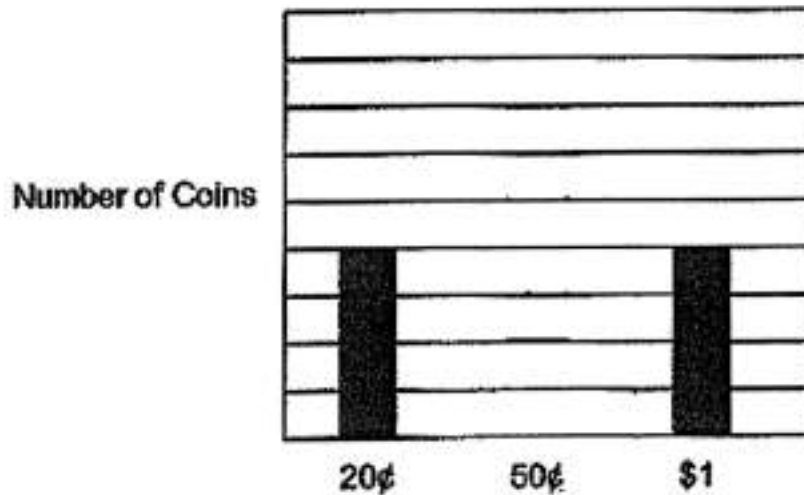
A)   is,is

B)   is, is not

C)   is not, is

D)   is not, is not

Question 53 of 56   Primary 6 Math (Prelim)   1 pt

The bar graph below shows the types of coin that Max had in his piggy
bank.   The number of 50¢ coins he had was not shown in the graph.

He had $44 altogether.   The total amount of $1 coins that he had was
$16 more than the total amount of 20¢ coins that he had.

(a)   How many 20¢ coins did he have?

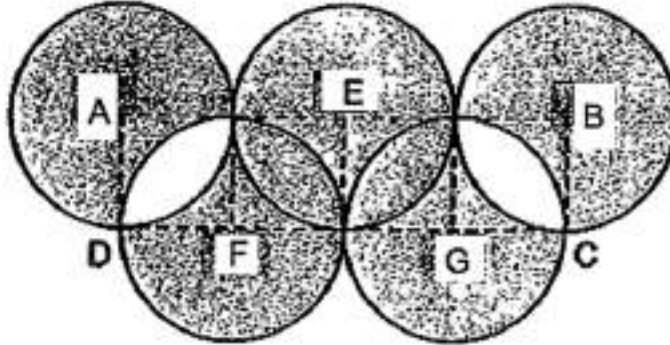**Question 54 of 56**   Primary 6 Math (Prelim)   1 pt

b) Draw the bar for the number of 50 cent coins that Max had in the graph above.

Question 55 of 56   Primary 6 Math (Prelim)   1 pt

The figure is made up of 5 identical circles.   AEBGF are centres of the circles.   The area of rectangle ABCD is 400 cm².

(a)   Find the radius of the circle.

Question 56 of 56   Primary 6 Math (Prelim)   1 pt

b) Find the area of the shaded parts

Take pi = 3.14