

Test: (2020) Primary 6 Math (Term 2) - RGPS

Points: 62 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

What is the smallest possible odd number that can be formed with the following digits?

7 2 0 3 8

- A)** 20 387
- B)** 20 378
- C)** 20 837
- D)** 20 738

Question 2 of 55

Primary 6 Math (Term 2) 1 pt

Express $7\frac{5}{8}$ as an improper fraction.

A)

$$\frac{61}{8}$$

B)

$$\frac{51}{8}$$

C)

$$\frac{47}{8}$$

D)

$$\frac{43}{8}$$

Question 3 of 55

Primary 6 Math (Term 2) 1 pt

Express $\frac{13}{8}$ as a decimal.

A) 1.58

B) 1.625

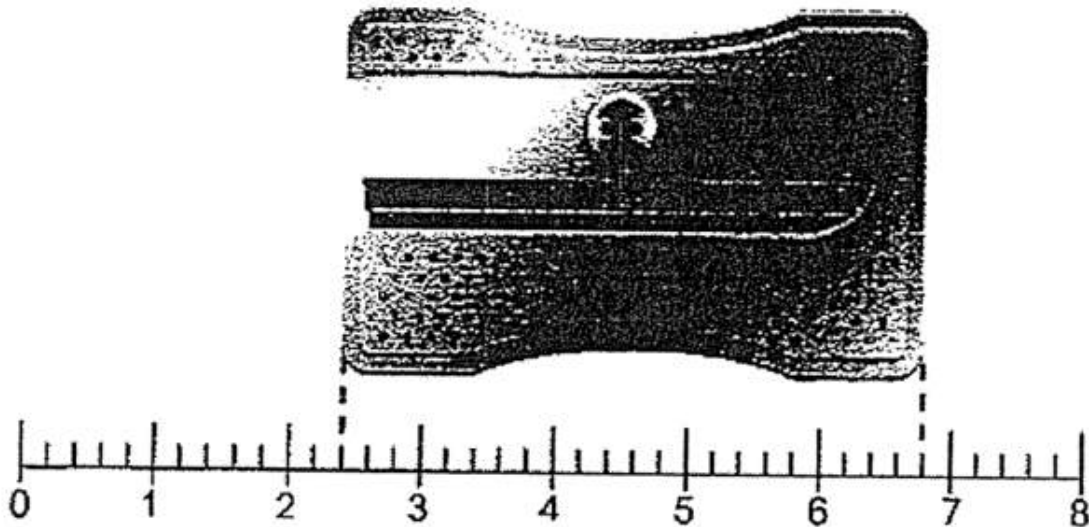
C) 13.8

D) 16.25

Question 4 of 55

Primary 6 Math (Term 2) 1 pt

What is the length of the pencil sharpener?

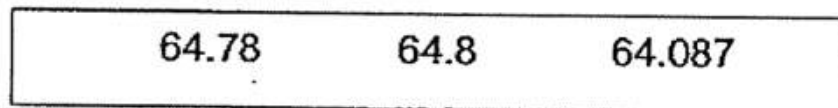


- A) 4.2
- B) 4.4
- C) 6.4
- D) 6.8

Question 5 of 55

Primary 6 Math (Term 2) 1 pt

Arrange the following numbers from the smallest to the largest.



Smallest

Largest

- A) 64.8, 64.78, 64.087
- B) 64.78, 64.087, 64.8
- C) 64.087, 64.78, 64.8
- D) 64.087, 64.8, 64.78

Question 6 of 55

Primary 6 Math (Term 2) 1 pt

Which one of the following fractions is bigger than $\frac{5}{8}$?

 A)

$$\frac{1}{2}$$

 B)

$$\frac{2}{3}$$

 C)

$$\frac{3}{7}$$

 D)

$$\frac{7}{15}$$

Question 7 of 55

Primary 6 Math (Term 2) 1 pt

In a class, $\frac{1}{3}$ of the pupils are boys. $\frac{2}{3}$ of the boys wear spectacles.

What is the ratio of the total number of girls to the number of boys who wear spectacles?

 A) 1:1 B) 1:3 C) 3:1 D) 2:9

Question 8 of 55

Primary 6 Math (Term 2) 1 pt

A survey was conducted among 80 pupils to find out their favourite pop groups. 25 pupils chose Black Pink, 45 pupils chose EXO and the rest chose BTS. Express the number of pupils who chose BTS as a percentage of those who chose Blank Pink.

-
- A) 12.5%
- B) 40%
- C) 60%
- D) 87.5%

Question 9 of 55

Primary 6 Math (Term 2) 1 pt

Tom was paid $\$ \left(\frac{19d - 12}{4} \right)$ for his work where d was the number of orders he delivered. If Tom delivered 20 orders, how much was he paid?

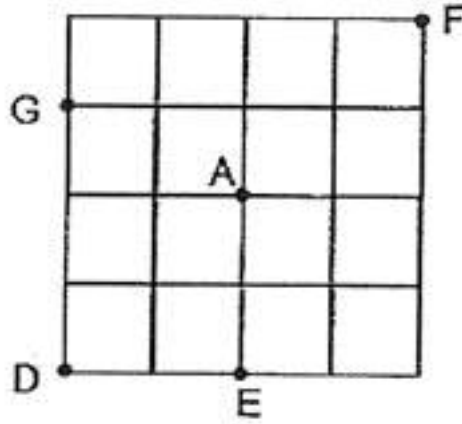
-
- A) \$38
- B) \$92
- C) \$95
- D) \$368

Question 10 of 55

Primary 6 Math (Term 2)

1 pt

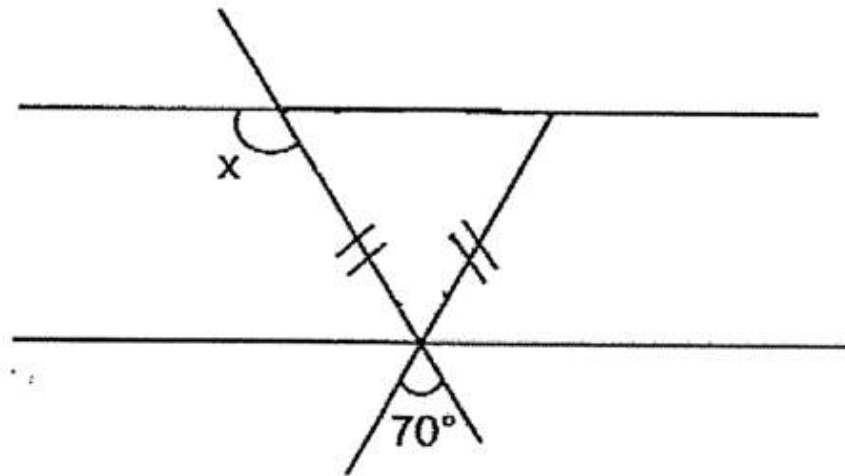
Which point is south-west of A?



-
- A) D
 - B) E
 - C) F
 - D) G

Question 11 of 55

Primary 6 Math (Term 2) 1 pt

Find $\angle x$.

- A) 55
- B) 70
- C) 110
- D) 125

Question 12 of 55

Primary 6 Math (Term 2) 1 pt

To make some fruit punch, Mrs Tan mixed 600 ml of orange juice with 1.4 L of guava juice. How much orange juice would Mrs Tan use if she needed 10 L of fruit punch?

- A) 5 L
- B) 6L
- C) 3L
- D) 7L

Question 13 of 55

Primary 6 Math (Term 2) 1 pt

Mr Tan earns \$3000 a month. He saves $\frac{1}{10}$ of it and spends 30% of it on food.

He spends 20% of the remaining amount on transport and gives the rest to his mother. How much does he spend on transport every month?

-
- A) \$300
 B) \$360
 C) \$540
 D) \$600

Question 14 of 55

Primary 6 Math (Term 2) 1 pt

Su-Lynn wanted to buy 9 boxes of blueberries but she was short of \$10.90. In the end, she bought 5 boxes of blueberries and had \$3.30 left. How much did Su-Lynn spend on the blueberries?

-
- A) \$9.50
 B) \$17.10
 C) \$17.75
 D) \$31.95

Question 15 of 55

Primary 6 Math (Term 2) 1 pt

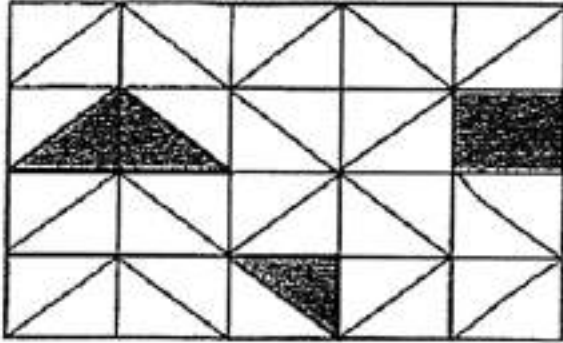
Luanne bought two carton boxes. The volume of the small carton box was 2700cm³. The length, breadth and height of the large carton box were twice as long as those of the small carton box. What was the volume of the large carton box?

-
- A) 5400cm³
 B) 10 800cm³
 C) 16 200cm³
 D) 21 600cm³

Question 16 of 55

Primary 6 Math (Term 2) 1 pt

How many more triangles must be shaded so that $\frac{3}{4}$ of the figure is shaded?



Question 17 of 55

Primary 6 Math (Term 2) 1 pt

Find the value of 750×80

Question 18 of 55

Primary 6 Math (Term 2) 1 pt

Find the value of $18 + (30 - 6 \div 3) \times 20$

Question 19 of 55

Primary 6 Math (Term 2) 1 pt

Find the value of $6 \div 4 \times \frac{1}{4}$.

Question 20 of 55

Primary 6 Math (Term 2) 1 pt

Chee Seong took an overnight train to his hometown. The train left the station at 21 45 and arrived 8h 50min later. What time did Chee Seong arrive at his hometown? Give your answer in 24 hour clock

Question 21 of 55

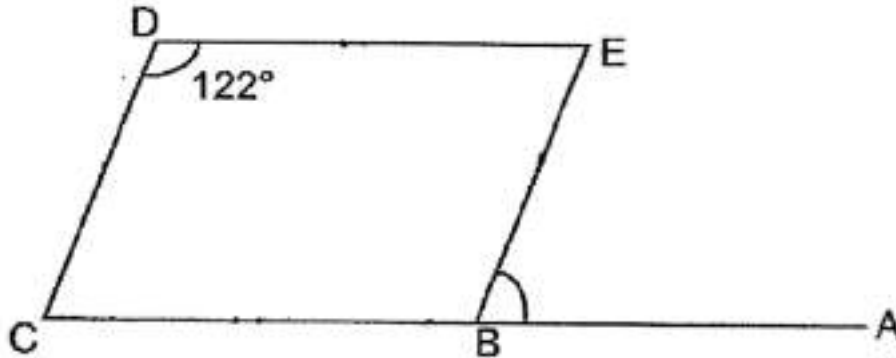
Primary 6 Math (Term 2) 2 pts

The cost of printing 200 name stickers is \$16. What is the cost of printing one name sticker?

Question 22 of 55

Primary 6 Math (Term 2) 2 pts

BCDE is a parallelogram. CBA is a straight line. Find $\angle EBA$.

**Question 23 of 55**

Primary 6 Math (Term 2) 2 pts

The average mass of 20 parcels is 2kg 56g. What is the total mass of the parcels?

Question 24 of 55

Primary 6 Math (Term 2) 2 pts

3 chefs worked together to bake 1200 cupcakes in 8 hours. How long will 5 chefs work together to bake the same number of cupcakes?

Question 25 of 55

Primary 6 Math (Term 2) 0 pts

Sharon has y sweets. Later in the day, she bought twice as many sweets. After she gave 25 sweets, she shared the remaining sweets with her two sisters. How many sweets did each sister receive? Leave your answer in terms of y .

Question 26 of 55

Primary 6 Math (Term 2) 2 pts

The table shows Aini's scores for her mid-year examination.

Subject	Score
English	?
Math	85
Science	?
Malay	97

The average score of all the subjects was 72. What was the average score of English and Science?

Question 27 of 55

Primary 6 Math (Term 2)

2 pts

Germaine bought some scented candles and tubes of hand lotion from a shop during the Christmas special offer.



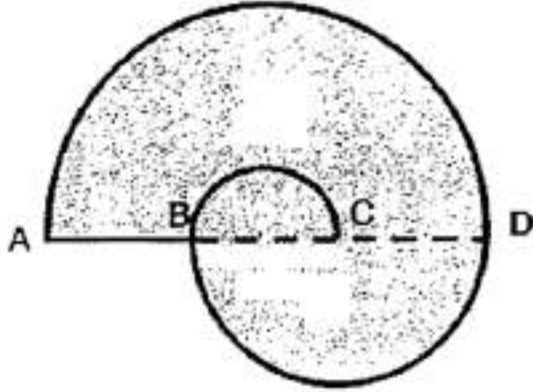
She spent an equal amount of money on the scented candles and tubes of hand lotion. What was the least number of scented candles Germaine bought from the shop?

Question 28 of 55

Primary 6 Math (Term 2) 2 pts

Julian designed a logo with three semicircles and a straight line as shown. AD was 60 cm. $AB = BC = CD$. What was the area of the logo?

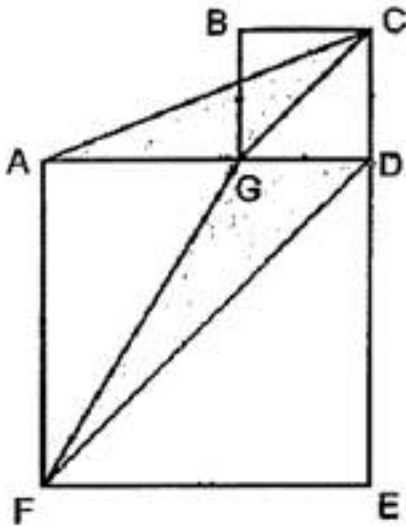
Take $\pi = 3.14$



Question 29 of 55

Primary 6 Math (Term 2) 2 pts

The figure is made up of square $BCDG$, square $ADEF$ and two shaded triangles. The areas of the small square and the big square are 16 cm^2 and 100 cm^2 respectively. What is the shaded area of the figure?



Question 30 of 55

Primary 6 Math (Term 2) 1 pt

Mrs Tan wants to buy a new handbag. Shop A sells the handbag at 20% more than shop B. Shop C sells the same handbag at 25% more than shop A.

a) If Mrs Tan wants to spend the least amount of money, which shop should she buy the handbag from?

- A) Shop A
- B) Shop B
- C) Shop C

Question 31 of 55

Primary 6 Math (Term 2) 1 pt

b) What is the percentage increase in the amount of money that Mrs Tan has to pay if she buys the bag from Shop C instead of Shop B?

Question 32 of 55

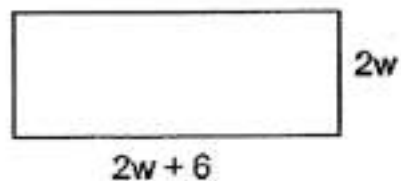
Primary 6 Math (Term 2) 1 pt

John and Ravi had 288 marbles altogether. John had 120 marbles. What fraction of John's marbles was Ravi's marbles? Give your answer in the simplest form.

Question 33 of 55

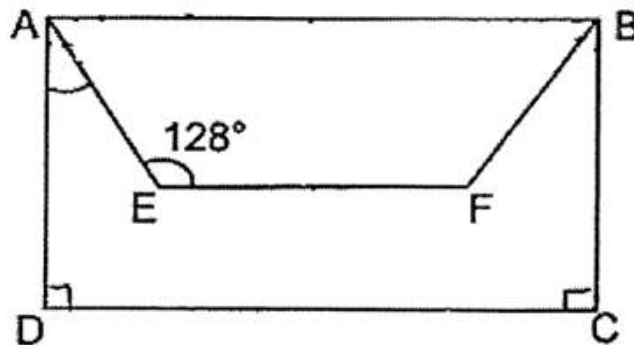
Primary 6 Math (Term 2) 1 pt

The perimeter of the rectangle is 220 cm. Find the breadth of the rectangle.

**Question 34 of 55**

Primary 6 Math (Term 2) 1 pt

ABCD is a rectangle and ABFE is a trapezium. Find $\angle DAE$.



Question 35 of 55

Primary 6 Math (Term 2) 1 pt

Hafiz was 35.1kg heavier than his brother two years ago. After Hafiz put on 13.8kg and his brother put on 6.4kg. Hafiz is now twice as heavy as his brother. What was his brother's mass two years ago?

Question 36 of 55

Primary 6 Math (Term 2) 1 pt

Sharon had a box of red, blue and green marbles. $\frac{3}{7}$ of the marbles were red. There were more green marbles than blue marbles.

Each of the statements below is either true, false or not possible to tell from the information given. For each statement, put a (✓) to indicate your answer.

$\frac{5}{7}$ of the marbles were green.

- A) True
- B) False
- C) Impossible to tell

Question 37 of 55

Primary 6 Math (Term 2) 1 pt

b) There were more red marbles than green marbles

- A) True
- B) False
- C) Impossible to tell

Question 38 of 55

Primary 6 Math (Term 2) 1 pt

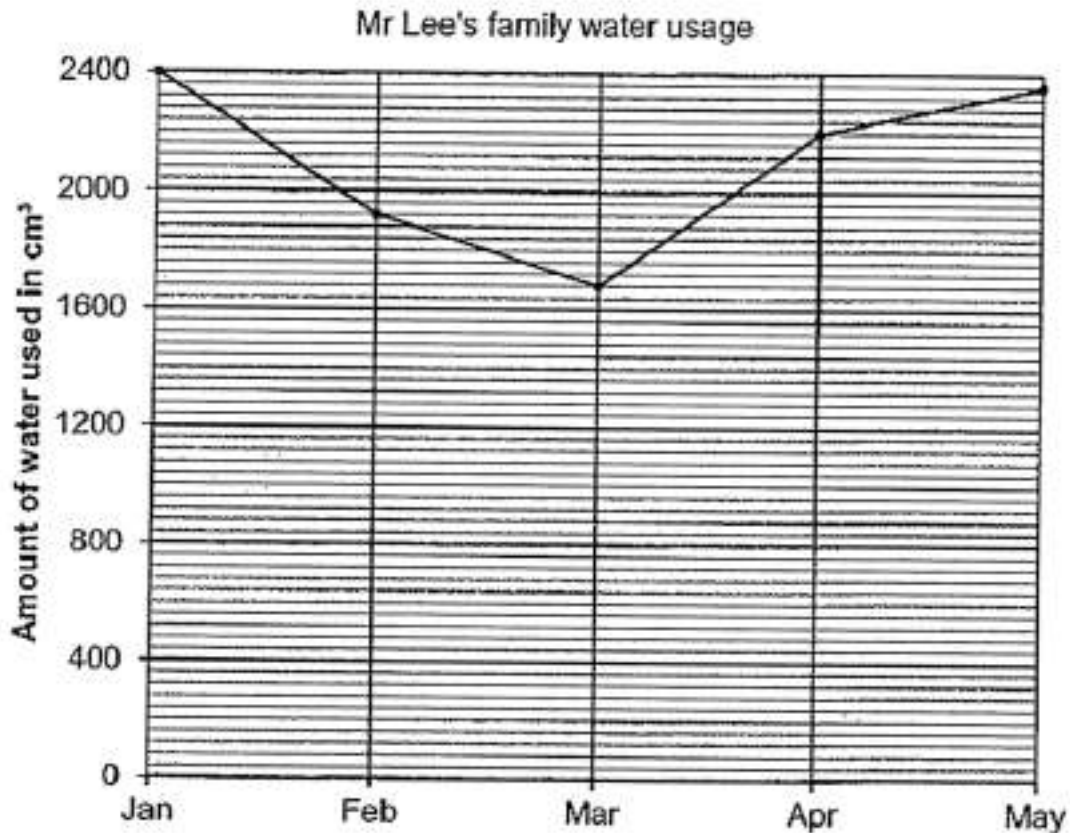
c) After Sharon bought more red marbles, the fraction of red marbles that were blue decreased

- A) True
- B) False
- C) Impossible to tell

Question 39 of 55

Primary 6 Math (Term 2) 1 pt

The chart shows the water usage of Mr Lee's family over a few months.



- (a) Between which 2 consecutive months was there the greatest increase in water usage?

- A) Jane
- B) Feb
- C) Mar
- D) April
- E) May

Question 40 of 55

Primary 6 Math (Term 2) 1 pt

- b) Find the percentage decrease in the water usage from January to March

Question 41 of 55

Primary 6 Math (Term 2) 1 pt

The following table shows the carpark charges at Moontec Shopping Mall.

	Weekday	Weekend
First hour	\$2.20	\$1.10
Subsequent half hour or part thereof	\$1.30	\$0.60
After 6 p.m. per entry	\$2.50	\$3.50

(a) Mr Tan entered the mall at 5.30 p.m. and left the mall at 7 p.m. on Tuesday.
How much did Mr Tan pay for parking?

Question 42 of 55

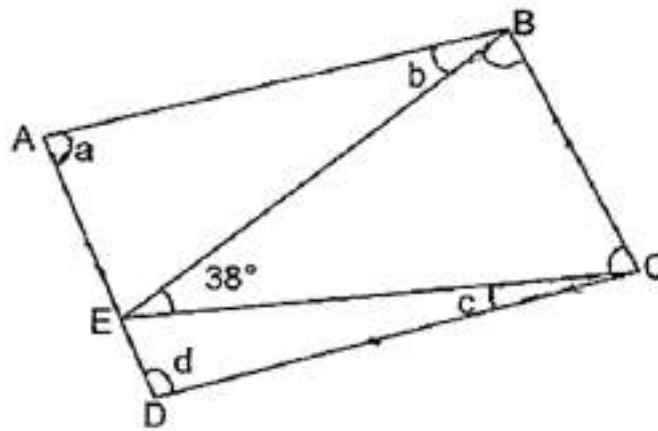
Primary 6 Math (Term 2) 1 pt

b) Mr Lee and his family visited the mall on Saturday and stayed there from 3pm to 9.15pm. Since they spent more than \$100 at the mall, they received a \$3 parking rebate from the mall. How much did they pay for parking in the end?

Question 43 of 55

Primary 6 Math (Term 2) 1 pt

ABCD is a parallelogram. Find the sum of $\angle a + \angle b + \angle c + \angle d$.

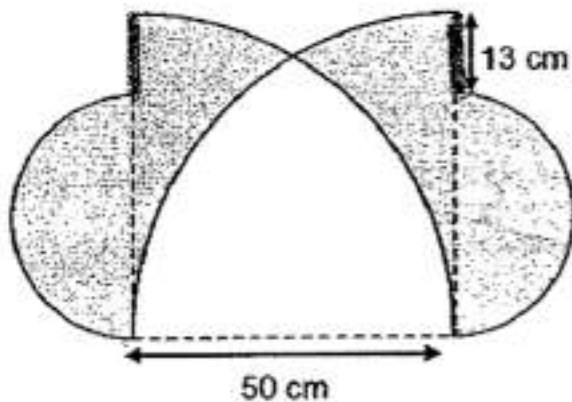


Question 44 of 55

Primary 6 Math (Term 2) 1 pt

The figure is made up of 2 identical quarter circles of radius 50 cm, 2 identical semicircles and 2 straight lines. Find the perimeter of the shaded figure.

Take $\pi = 3.14$



Question 45 of 55

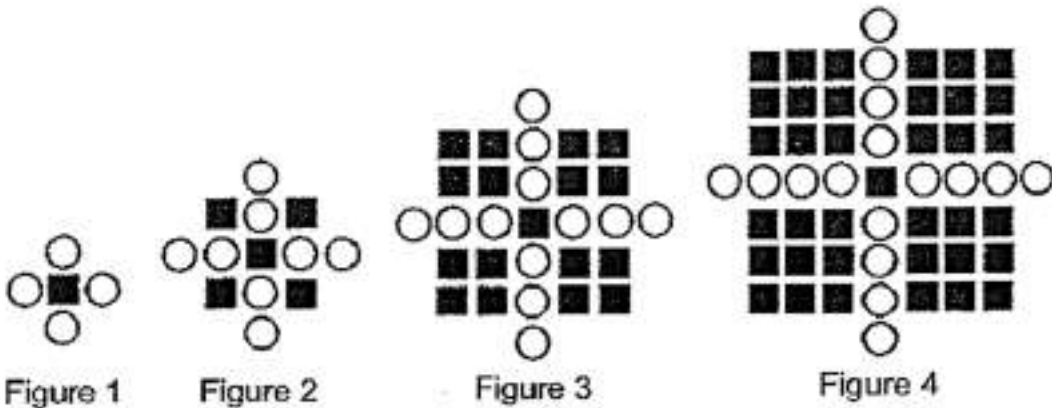
Primary 6 Math (Term 2) 1 pt

Kelly and Hanah went out for an evening with \$116.80 and \$70.90 respectively. They shared the cost of the dinner and taxi fare equally. The dinner cost 3 times as much as the taxi fare. In the end, Kelly was left with 4 times as much money as Hanah. How much did they pay for the dinner altogether?

Question 46 of 55

Primary 6 Math (Term 2) 1 pt

Circles and squares are used to form figures that follow a pattern as shown below.



(a) The table shows the number of circles and squares for the first four figures. Complete the table for Figure 5.

Figure Number	1	2	3	4	5
Number of circles	4	8	12	16	
Number of squares	1	5	17	37	

Question 47 of 55

Primary 6 Math (Term 2) 1 pt

b) A figure has a total of 100 circles. What is the total number of squares in this figure?

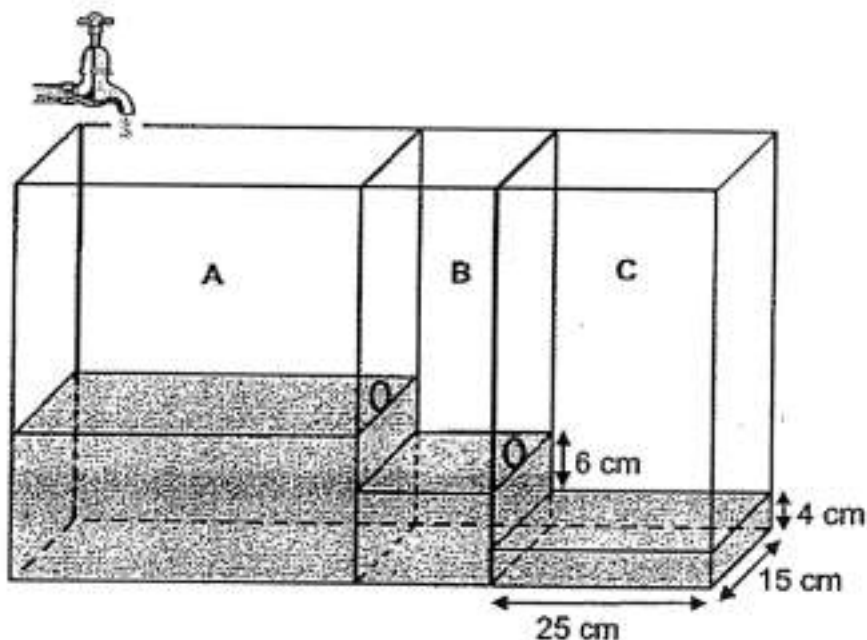
Question 48 of 55

Primary 6 Math (Term 2) 1 pt

- . A rectangular tank has 3 compartments separated by two partitions each with a hole in them. Compartment B has a square base.

When a tap is turned on for 15 min, water flows into Compartment A at a rate of 0.93 ℓ per min. The water in Compartment A overflows into Compartment B through the hole in the partition between them. As water fills up in Compartment B, it overflows into Compartment C through the hole in the partition between them. After the tap is turned off, the water level in Compartment C is 4 cm. The water level in Compartment B is 6 cm higher than that in Compartment C.

What is the volume of water in Compartment A in the end?



Question 49 of 55

Primary 6 Math (Term 2) 1 pt

Chris had some black and white balls in a box. First, he added 98 white balls and as a result, 40% of the balls were black. Next, he added another 240 white balls and the number of black balls decreased by 25%.

a) What percentage of the balls were white in the end?

Question 50 of 55

Primary 6 Math (Term 2) 1 pt

b) How many white balls did he have at first?

Question 51 of 55

Primary 6 Math (Term 2) 1 pt

Terry had $\frac{4}{7}$ as many stamps as Jason. Terry had 3 times as many stamps as Sam. Jason and Terry gave some stamps to Sam in the ratio of 3 : 2. As a result, Sam had 6 times as many stamps as before. In the end, Sam had 198 more stamps than the total number of stamps Jason and Terry had.

(a) What was the ratio of Sam's number of stamps to Terry's number of stamps to Jason number of stamps at first?

Question 52 of 55

Primary 6 Math (Term 2) 1 pt

b) How many stamps did Jason have in the end?

Question 53 of 55

Primary 6 Math (Term 2)

1 pt

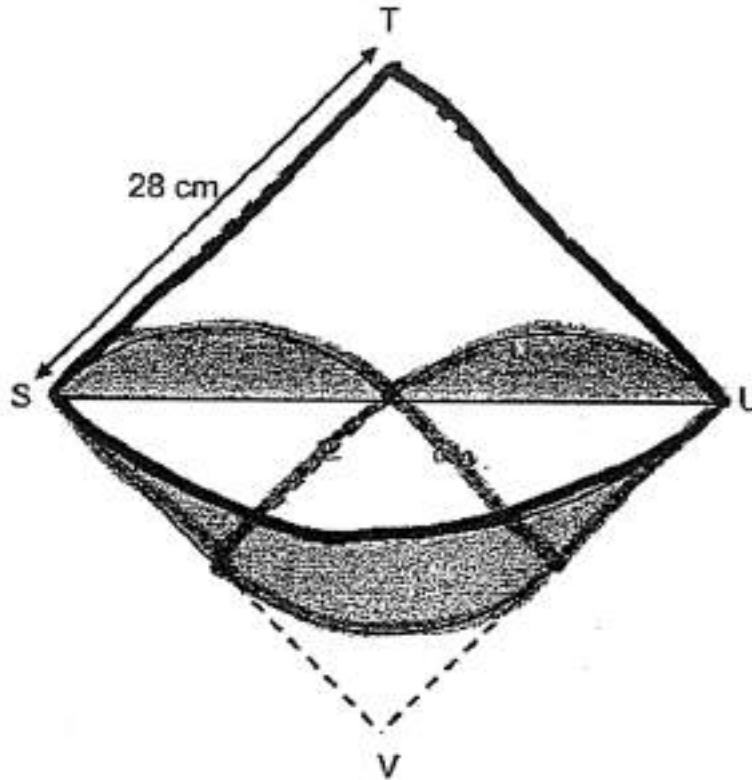
An electronic shop sold $\frac{3}{5}$ as many laptops as tablets. Each laptop cost \$243 more than a tablet. The shop collected \$2524 more from the sale of laptops than the sale of tablets. The total amount collected from the sales of laptops and tablets was \$19 064. How many tablets did the shop sell?

Question 54 of 55

Primary 6 Math (Term 2) 1 pt

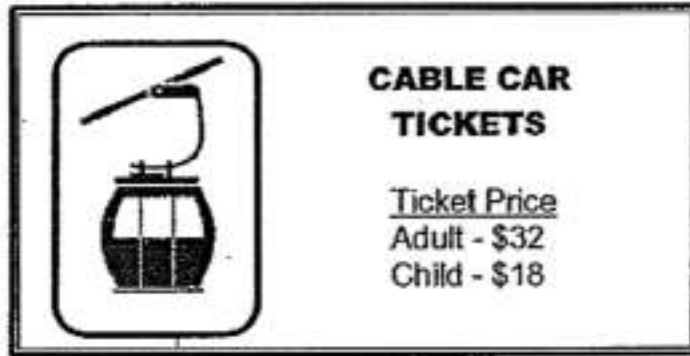
The figure shows 3 identical small quarter circles, a big quarter circle enclosed within square STUV of sides 28 cm. Find the area of the shaded parts.

Take $\pi = \frac{22}{7}$



Question 55 of 55

Primary 6 Math (Term 2) 1 pt



On a public holiday, the number of child tickets sold was 180 more than the number of adult tickets. The amount of money collected from the sale of adult tickets was \$2752 more than the sale of child tickets. What was the total amount of money collected from the sale of adult tickets? Round your answer to the nearest thousand dollars.
