Test: Primary 6 Math (Term 4) - RGPS (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

The value of the digit 5 in 954 687 is _____.

◯ **A)** 500
◯ **B)** 5000
◯ **C)** 50000
◯ **D)** 500000

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

Which one of the following is closest to 1?

A)

$$1\frac{1}{7}$$

B)

$$1\frac{1}{6}$$

C)

$$1\frac{1}{9}$$

D)

$$1\frac{1}{8}$$

Question 3 of 56 Primary 6 Math (Prelim) 1 pt
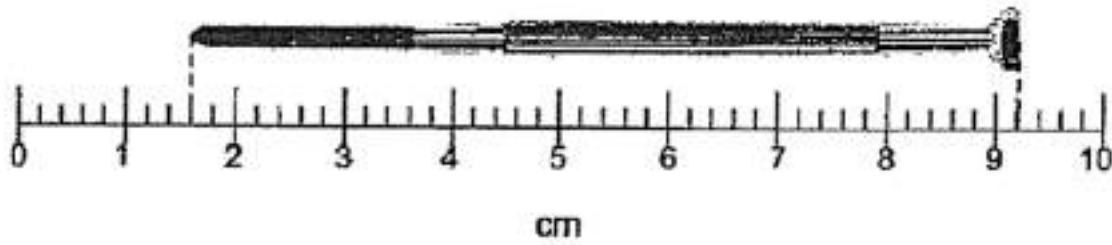
Round off 28 784 to the nearest tenth

A) 28.7
B) 28.8
C) 29.0
D) 30.0

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

What is the length of the screw driver?
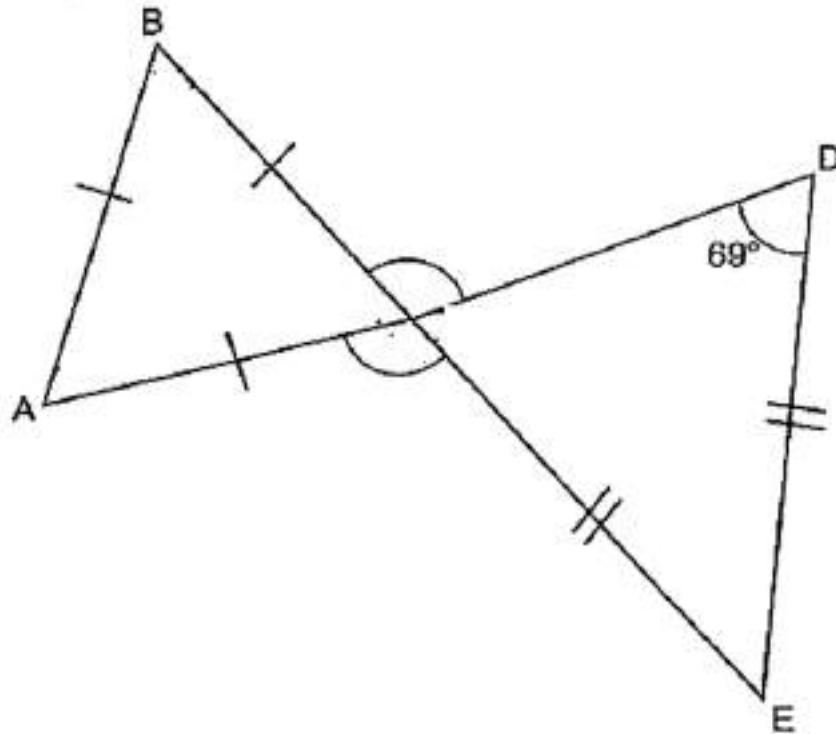

- A) 7.3 cm
- B) 7.6 cm
- C) 9.1 cm
- D) 9.2 cm

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

In the figure, ABC is an equilateral triangle. CDE is an isosceles triangle. BCE is a straight line. ∠CDE = 69°. Find the sum of ∠BCD and ∠ACE.

A) 129

B) 222

C) 231

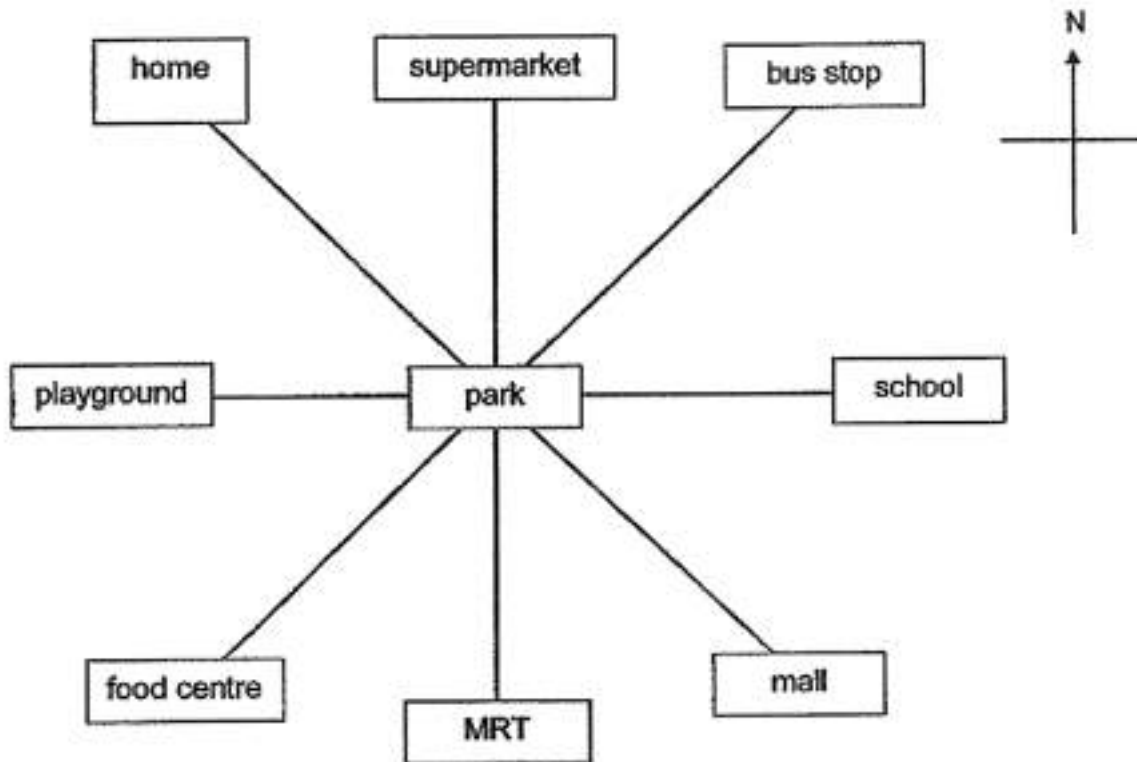D) 240

Gordon was at the park. He turned an angle of 315° anti-clockwise to face the direction of his home. Where was he facing before the turn?
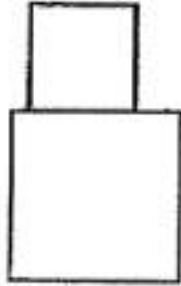

A) playground

B) supermarket

C) food centre

D) bus stop

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

The figure is made up of 2 squares. The area of the 2 squares are 64 cm^2 and 25 cm^2. What is the perimeter of the figure?

A)   42 cm

B)   47 cm

C)   52 cm

D)   89 cm

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

Abel had 3 times as many books as Thomas. Abel donated $\frac{1}{4}$ of his books to charity. What was the ratio of the number of books Thomas had to the number of books Abel had in the end?

A)   3:4

B)   4:9

C)   9:4

D)   9:7

Question 9 of 56

Calvin bought a camera. The GST amount was $70. How much did he pay for the camera inclusive of GST?

7% GST

- A) $107
- B) $170
- C) $1000
- D) $1070

Question 10 of 56

$3 + 6a = 27$. What is the value of a?

- A) 180
- B) 144
- C) 5
- D) 4

Question 11 of 56

Ai Lin bought 2 tablet and 20 chairs for her office. She spent $120 more on the tables than the chairs. She spent a total of $840. How much dod she spend on one chair?

- A) $18
- B) $24
- C) $180
- D) $360

Question 12 of 56   Primary 6 Math (Prelim)   1 pt

$\frac{1}{2}$ of Janice's mass is the same as $\frac{1}{5}$ of Randy's mass.

Their total mass is 49.14 kg. Find Janice's mass.

A) 7.02kg

B) 14.04kg

C) 14.4kg

D) 35.1kg

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

A dining table was sold at a discount. The discounted price was 20% less than the usual price. The usual price was $720. How much was the discount?

A) $20

B) $120

C) $144

D) $576

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

Ali and Zainal each bought the same mass of minced meat. They prepared each patty with the same mass of minced meat. Ali made 20 patties and had 5.6kg of minced meat left. Zainal made 60 patties and had 400g of minced meat left. What was the mass of minced meat used for each patty?

A) 65 g

B) 75 g

C) 130 g

D) 150 g

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

Tap A can fill a pail in 6 min. Tap B can fill the same pail in 3 min. How long would it take to fill the pail completely when both tapes are turned on at the same time?

- **A)** 0.5 min
- **B)** 2 min
- **C)** 4.5 min
- **D)** 9 min

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

Find the value of 50 - (24÷2x3) + 4

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

When a flight departed from Singapore, the time in Perth was 8.50pm. The flight arrived in Perth 5h 15 min later. At what time in Perth did the flight arrive? Give your answer in 24 hour clock

Question 18 of 56   Primary 6 Math (Prelim)   1 pt

Express $\dfrac{78}{9}$ as a mixed number in the simplest form.

Question 19 of 56	Primary 6 Math (Prelim)	1 pt

Find the sum of 11 tens, 1 tenths and 10 hundredths

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

Find the average of 180 cm and 1.2m. Leave your answer in metres
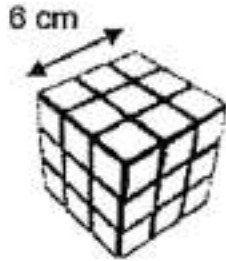
Question 21 of 56	Primary 6 Math (Prelim)	1 pt

Pillai mixed milk and rose syrup to make a drink. He used $\frac{7}{8}$ ℓ of milk. The amount of rose syrup used was $\frac{1}{6}$ ℓ less than the milk used. How much milk and rose syrup did Pillai use altogether? Leave your answer as a mixed number in the simplest form.

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

Alex has a box measuring 40 cm by 50 cm by 60 cm. He wants to pack identical rubik's cubes of edge 6 cm into the box. What is the maximum number of rubik's cubes he can pack into the box?

6 cm

Question 23 of 56   Primary 6 Math (Prelim)   1 pt

Mrs Delvi had 24n cookies. She distributed all of them equally to 8 of her grandchildren. Then, one of her grandchildren, Heidi, ate 4 cookies. How many children had Heidi left? Leave your answer in terms of n.

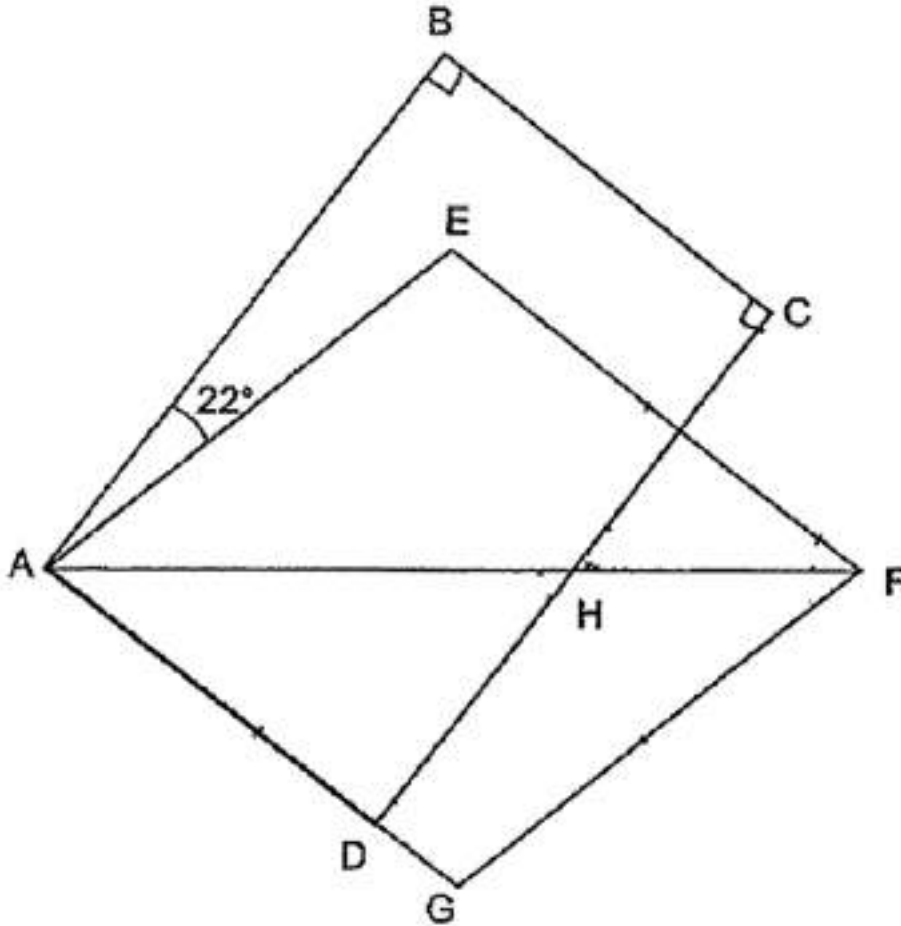**Question 24 of 56**   Primary 6 Math (Prelim)   1 pt

There were equal number of male and female members at a gym. After 265 male members and 545 female members cancelled their membership, the number of renaming male members was 9 times that of the remaining female members. How many female members remained at the gym?

Question 25 of 56   Primary 6 Math (Prelim)   1 pt

In the figure, ABCD is a rectangle and AEFG is a rhombus.

AHF is a straight line and ∠BAE = 22°. Find ∠CHF.

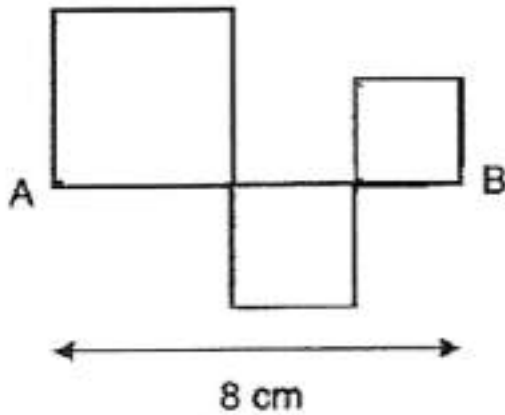**Question 26 of 56**   Primary 6 Math (Prelim)   1 pt

Anna needed 20 pieces of wires, each of length 0.3m. The wires were sold in rolls of 2m each. What was the least number of rolls of wire that Anna needed to buy?

The figure is made up of 3 squares. AB is a straight line. What is the perimeter of the figure?

8 cm

The table shows the rate for renting a karaoke room at a community club.

| First 2 hours | $9 per hour |
| Every additional 30 min | $8 per 30 min |

A group of friends paid a total of $42 for the rental of a karaoke room. How many hours did they rent the karaoke room for?

Question 29 of 56   Primary 6 Math (Prelim)   1 pt
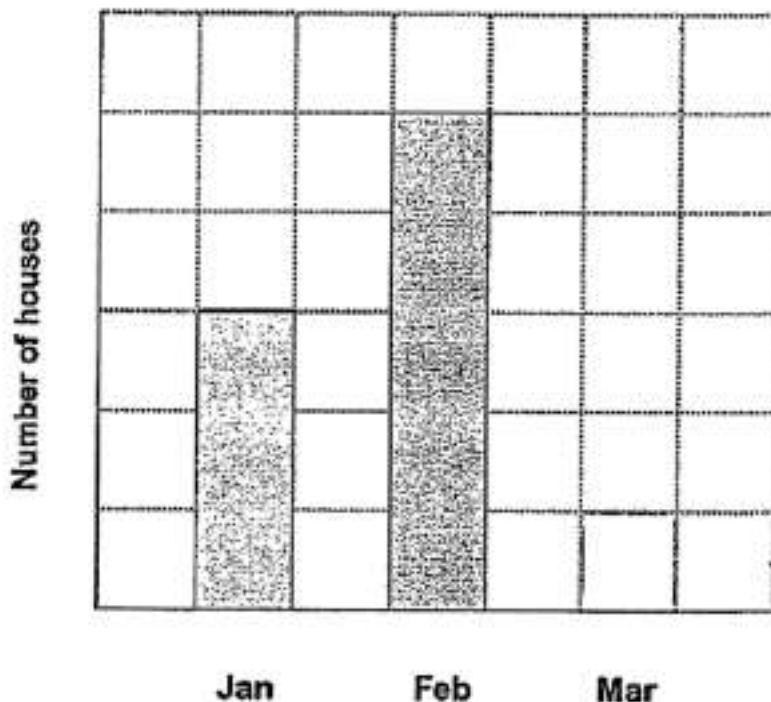
Sara had $\frac{5}{6}$ m² of fabric. She cut out $\frac{1}{4}$ of it and used the remaining fabric to make 5 identical masks. How much fabric did she use to make 1 mask?

Question 30 of 56   Primary 6 Math (Prelim)   0 pts

The graph shows the number of houses sold from January to March.

The bar for the number of houses sold in March has not been drawn.

The total number of houses sold in February and March was $\frac{2}{3}$ of the total number of houses sold over the 3 months.

Complete the graph by shading to show the number of houses sold in March.

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

There were 538 females and 306 males at a carnival, 110 females left and 25 males entered the carnival. What was the percentage decrease in the total number of people at the carnival? Round your answer to the nearest 1 decimal place.

Question 32 of 56   Primary 6 Math (Prelim)   1 pt
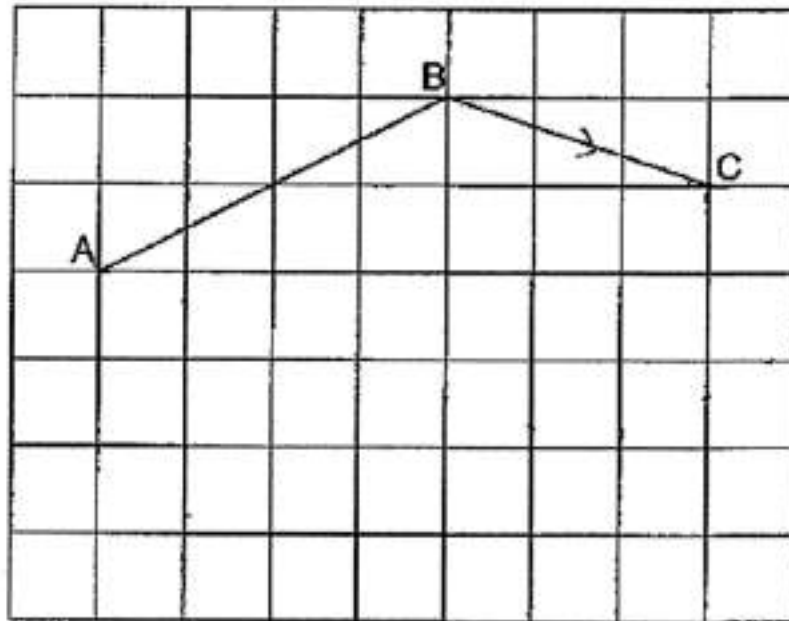
The table shows the points scored by 3 children in a game.

Participants	Ali	Bala	Charlie
Score	21	?	?

Their total score was 135. All their scores were 2-digit numbers. What was the lowest possible score among the 3 of them?

Question 33 of 56   Primary 6 Math (Prelim)   0 pts

In the square grid, AB and BC form two sides of a trapezium ABCD.

There are 2 right angles in ABCD.

Complete the drawing of trapezium ABCD.

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

Amos is 12 Yeats younger than his sister. The ratio of Amos' age to his sister's age 1:5. In how many years' time will the ratio of Amos' age to his sister's age be 2:5?

Question 35 of 56   Primary 6 Math (Prelim)   1 pt

The table shows the number and the cost of each type of flowers sold at a florist.

Flower	Number of flowers sold	Cost
Rose	135	$2 each
Lily	2y	$2.50 each
Carnation	4y	4 for $5

a) If the total number of flowers sold was 405, 180 carnations were sold

○ **A)** True
○ **B)** False
○ **C)** Not possible to tell

Question 36 of 56   Primary 6 Math (Prelim)   1 pt

b) The amount of money collected from selling the lilies and the carnations were the same

○ **A)** True
○ **B)** False
○ **C)** Not possible to tell

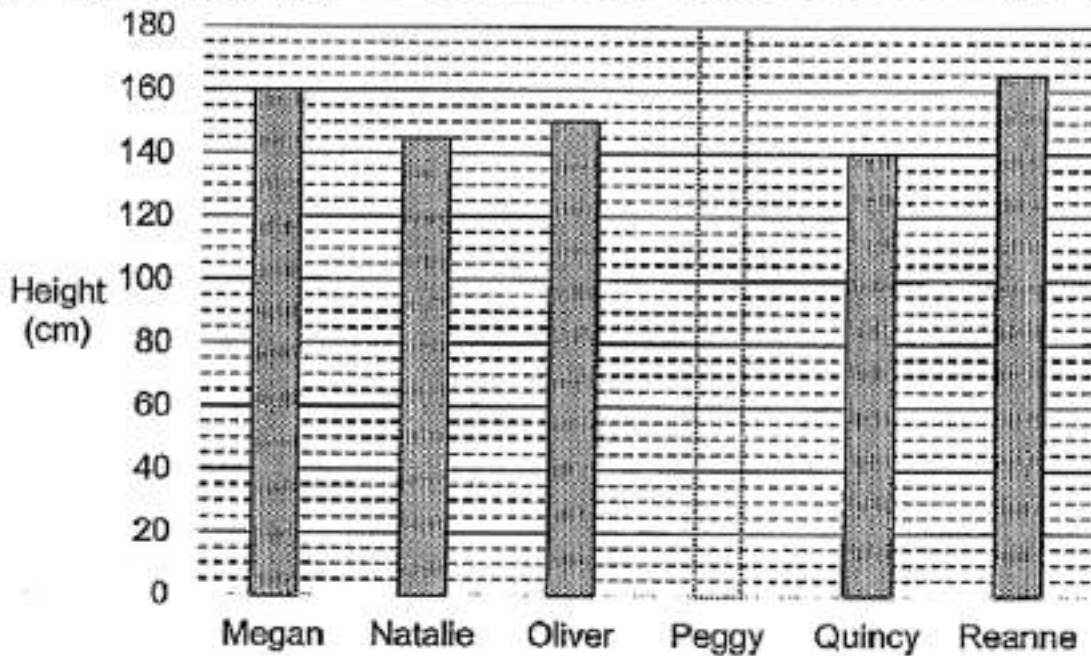**Question 37 of 56**   Primary 6 Math (Prelim)   1 pt

c) The amount of money collected from selling the roses was the highest among the 3 types of flowers

○ **A)** False
○ **B)** True
○ **C)** Not possible to tell

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

The bar chart shows the height of 6 people. The bar that shows
Peggy's height has not been drawn.

Peggy's height was 20 cm more than the average height of Quincy and
Megan.

(a) What was the height of Peggy?

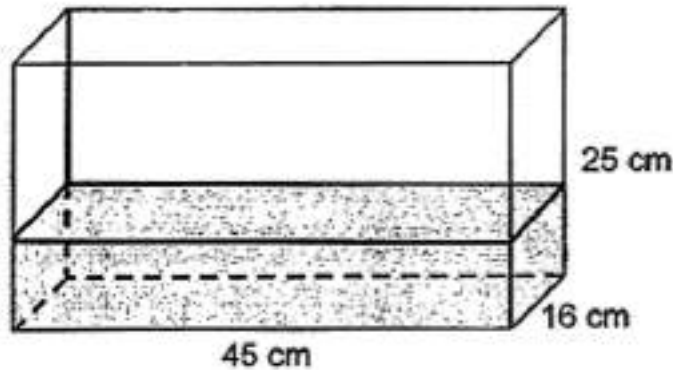**Question 39 of 56**   Primary 6 Math (Prelim)   1 pt

b) Who was/were taller than the average height of all the people?

☐ **A)**   Megan
☐ **B)**   Natalie
☐ **C)**   Oliver
☐ **D)**   Peggy
☐ **E)**   Quincy
☐ **F)**   Reanne

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

A rectangular tank measuring 45 cm by 16 cm by 25 cm was $\frac{1}{3}$ filled with water. After water from some identical bottles was poured into the rectangular tank, it became $\frac{7}{8}$ full. The capacity of each bottle was 650 ml. What was the minimum number of bottles used to pour the water into the rectangular tank?

Question 41 of 56   Primary 6 Math (Prelim)   1 pt

Mr Choo needs a total of 15 h to prepare 1800 rice dumplings. He prepares the same number of rice dumplings every hour. When his wife helps him for 4h, 1800 rice dumplings can be prepared in 9h.

a) What is the average number of rice dumplings that Mr Choo's wife prepares in the 4 hours?

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

b) What is the difference in the time taken between Mr Choo and his wife if she prepares 1800 rice dumplings alone?

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

At its year-end sale, a company sold calendars and diaries at the prices shown.

An equal number of calendars and diaries were sold. The company collected a total of $29 815 from the sale of calendars and diaries. How many calendars and diaries did the company sell in all?

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

In a school, 55% of the pupils are girls and the rest are boys. As a school, 40% of the boys wear spectacles and 60% of the pupils wear spectacles.

a) What percentage of the pupils are girls who wear spectacles?
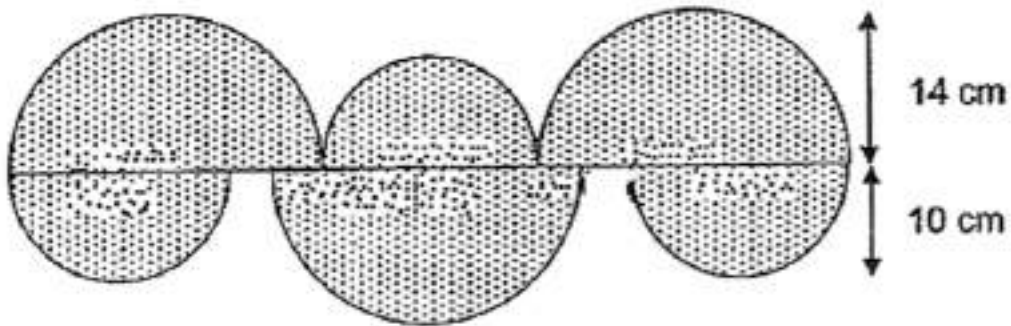
Question 45 of 56   Primary 6 Math (Prelim)   1 pt

b) 208 girls do not wear spectacles. How many pupils are there altogether?

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

The figure is formed by 3 identical big semicircles and 3 identical small semicircles.

14 cm

10 cm

Use the calculator value of π to find the perimeter of the figure.
Round your answer to 2 decimal places.

The figure shows a parallelogram PQRS drawn on a grid.

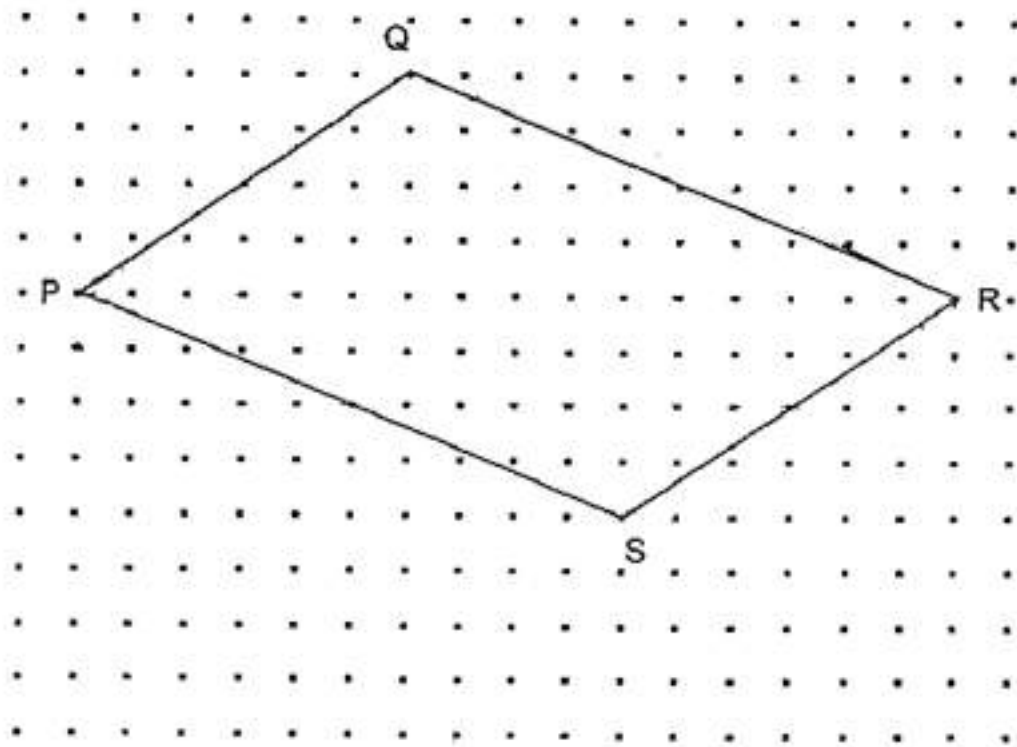(a) PRTU is a rectangle that has half the area of PQRS.
Draw PRTU on the grid. [2]

(b) PRV is an isosceles triangle that has the same area as rectangle PRTU.
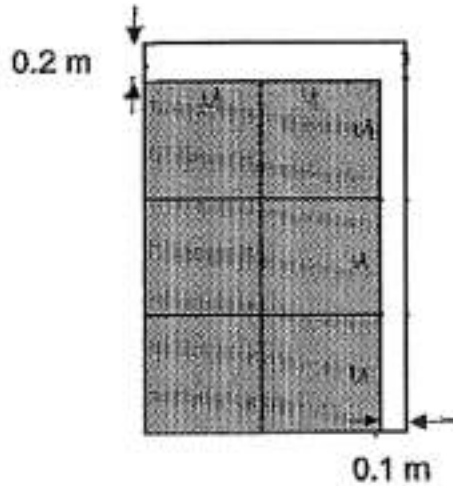Draw PRV on the grid such that it does not overlap with rectangle PRTU. [1]

Question 48 of 56   Primary 6 Math (Prelim)   1 pt

The figure shows 6 identical squares inside a rectangle. The arrangement
results in a gap of 0.2 m at the top and a gap of 0.1 m at the side. The area of
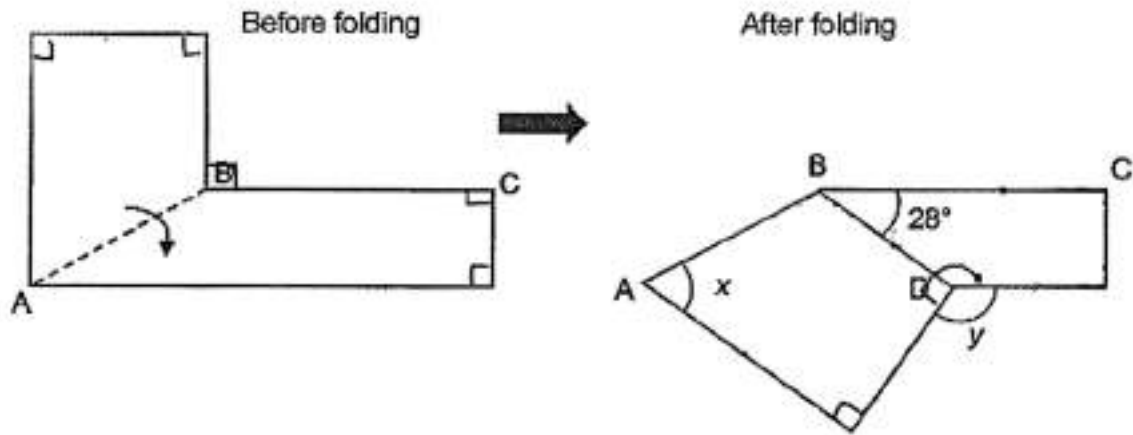the unshaded region is 3000 cm².

0.2 m

0.1 m

What is the area of the rectangle?

1. A L-shaped paper is made up of perpendicular lines. It is folded along line AB as shown. ∠CBD = 28°.

(a) Find ∠x.

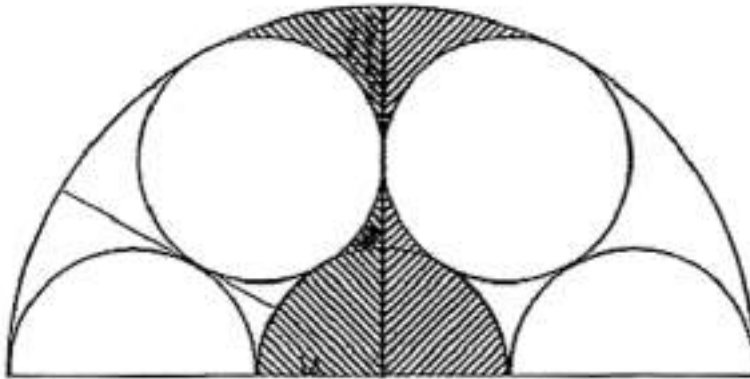Before folding   After folding

b) Find angle y

Question 51 of 56 Primary 6 Math (Prelim) 1 pt

The figure is made up of a big semicircle of radius 30 cm. 2 circles and 3 semicircles of equal radius are drawn in the big semicircle.

(b) What is the area of the shaded parts? Take $\pi = 3.14$
Round your answer correct to 1 decimal place.

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

b) What is the area of the shaded parts? Take 3.14. Round your answer correct to 1 decimal place

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

Mdm Nurul had some red and green apples in her minimart. The ratio of the number of red apples to the number of green apples was 13 : 7. After selling 60% of the red apples and 55 green apples, the ratio of the number of red apples to the number of green apples was 13 : 12.

(a) How many apples were there altogether at first?

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

(b) After that, she bought more red apples. The number of red apples she bought was $\frac{3}{10}$ of the number of red apples left before that. How many red apples did she have in the end?

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

Peter, Roger and Mary each had a sum of money. They decided to split their dinner bill equally.

If Roger were to pay for the bill first, the sum of his remaining money would be $\frac{4}{9}$ of Mary's money.

If Mary were to pay for the bill first, the sum of her remaining money would be $\frac{11}{15}$ of Roger's money.

If Peter were to pay for the bill first, he would have used up all his money.

(a) Given that Mary had $126 more than Roger, how much was each person's share of the bill?

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

b) Express Peter's sum of money as a fraction of their total sum of money