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Primary 6 Math (Term 4) - RGPS (Y0)

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Test Introduction

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56 Questions (53 Points)

Question Bank: 12,655 Questions

Test Questions

0 Test Assignments

Question 1

Primary 6 Math » 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 Type: Multiple Choice
Randomize Answers: No
Date Added: Fri 15th Oct 2021
Last Modified: N/A
QID#: 29,341,219

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Question 2

Primary 6 Math » 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 Type: Multiple Choice
Randomize Answers: No
Date Added: Fri 15th Oct 2021
Last Modified: N/A
QID#: 29,341,223

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Question 3

Primary 6 Math » 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 Type: Multiple Choice
Randomize Answers: No
Date Added: Fri 15th Oct 2021
Last Modified: N/A
QID#: 29,341,225

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Question 4

Primary 6 Math » 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 Type: Multiple Choice
Randomize Answers: No
Date Added: Fri 15th Oct 2021
Last Modified: N/A
QID#: 29,341,253

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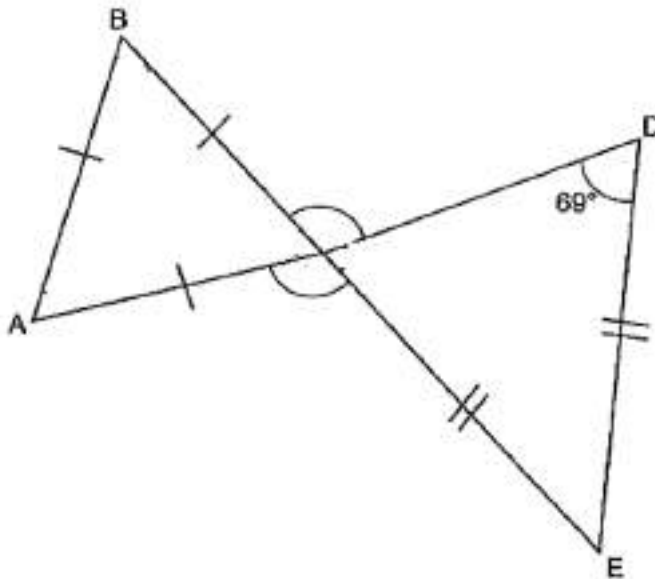
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Question 5

Primary 6 Math » Primary 6 Math (Prelim)

1 pt

In the figure, ABC is an equilateral triangle. CDE is an isosceles triangle. BCE is a straight line. $\angle CDE = 69^\circ$. Find the sum of $\angle BCD$ and $\angle ACE$.



- A. 129

- B. 222
- ✓ C. 231
- D. 240

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Fri 15th Oct 2021
Last Modified: N/A
QID#: 29,341,255

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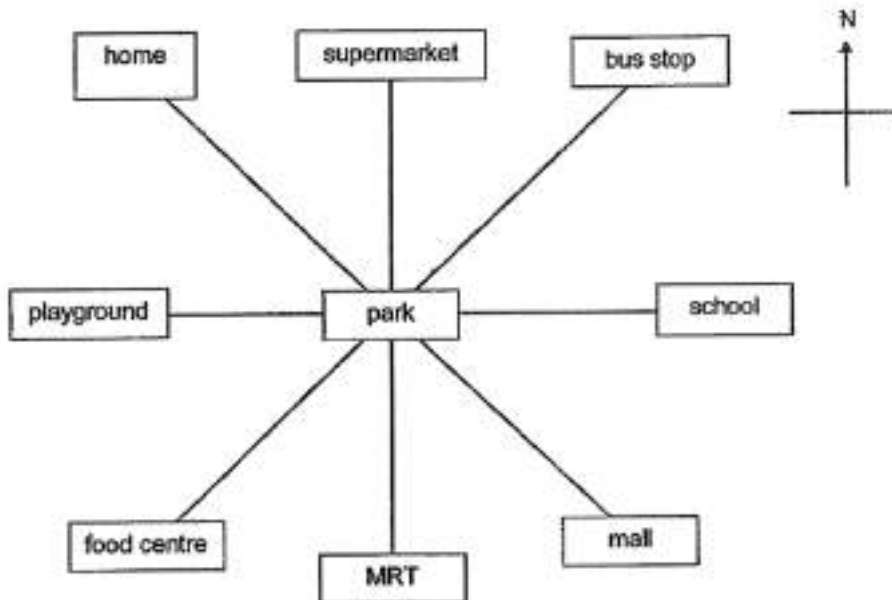
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Question 6

Primary 6 Math » Primary 6 Math (Prelim)

1 pt

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 Type: Multiple Choice

Randomize Answers: No
Date Added: Fri 15th Oct 2021
Last Modified: N/A
QID#: 29,341,485

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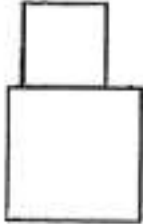
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Question 7

Primary 6 Math » 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 Type: Multiple Choice
Randomize Answers: No
Date Added: Fri 15th Oct 2021
Last Modified: N/A
QID#: 29,341,489

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Question 8

Primary 6 Math » 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 Type: Multiple Choice
Randomize Answers: No
Date Added: Fri 15th Oct 2021
Last Modified: N/A
QID#: 29,341,492

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Question 9

Primary 6 Math » Primary 6 Math (Prelim)

1 pt

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



- A. \$107
- B. \$170
- C. \$1000
- ✓ D. \$1070

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Fri 15th Oct 2021
Last Modified: N/A
QID#: 29,341,493

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Question 10

Primary 6 Math » Primary 6 Math (Prelim)

1 pt

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

- A. 180
- B. 144
- C. 5
- ✓ D. 4

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Fri 15th Oct 2021
Last Modified: N/A
QID#: 29,341,495

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Question 11

Primary 6 Math » Primary 6 Math (Prelim)

1 pt

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 did she spend on one chair?

- ✓ A. \$18
- B. \$24
- C. \$180
- D. \$360

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Fri 15th Oct 2021
Last Modified: N/A
QID#: 29,341,500

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Question 12

Primary 6 Math » 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 Type: Multiple Choice
Randomize Answers: No
Date Added: Fri 15th Oct 2021
Last Modified: N/A

QID#: 29,341,503

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Question 13

Primary 6 Math » 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 Type: Multiple Choice
Randomize Answers: No
Date Added: Fri 15th Oct 2021
Last Modified: N/A
QID#: 29,341,509

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Question 14

Primary 6 Math » 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 Type: Multiple Choice
Randomize Answers: No
Date Added: Fri 15th Oct 2021
Last Modified: N/A
QID#: 29,341,518

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Question 15

Primary 6 Math » 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 Type: Multiple Choice
Randomize Answers: No
Date Added: Fri 15th Oct 2021
Last Modified: N/A
QID#: 29,341,524

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Question 16

Primary 6 Math » Primary 6 Math (Prelim)

1 pt

Find the value of $50 - (24 \div 2 \times 3) + 4$

Accepted answers:

- ✓ 18

Question Type: Free Text
Date Added: Fri 15th Oct 2021
Last Modified: N/A
QID#: 29,341,529

Correctly answered feedback

50-36+4=18

Incorrectly answered feedback

50-36+4=18

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

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Question 17

Primary 6 Math » 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

Accepted answers:

- ✓ 0205
- ✓ 02 05

Question Type: Free Text

Date Added: Fri 15th Oct 2021
Last Modified: N/A
QID#: 29,341,536

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Question 18

Primary 6 Math » Primary 6 Math (Prelim)

1 pt

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

Accepted answers:

✓ 8 $\frac{2}{3}$

Question Type: Free Text
Date Added: Fri 15th Oct 2021
Last Modified: N/A
QID#: 29,341,537

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

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Question 19

Primary 6 Math » Primary 6 Math (Prelim)

1 pt

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

Accepted answers:

✓ 110.2

Question Type: Free Text
Date Added: Fri 15th Oct 2021
Last Modified: N/A
QID#: 29,341,543

Correctly answered feedback

$11 \times 10 = 110$
 $10 \times 0.01 = 0.1$
 $110 + 0.1 + 0.1 = 110.2$

Incorrectly answered feedback

$11 \times 10 = 110$
 $10 \times 0.01 = 0.1$
 $110 + 0.1 + 0.1 = 110.2$

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Question 20

Primary 6 Math » Primary 6 Math (Prelim)

1 pt

Find the average of 180 cm and 1.2m. Leave your answer in metres

Accepted answers:

- ✓ 1.5m
- ✓ 1.5 m
- ✓ 1.5

Question Type: Free Text
Date Added: Fri 15th Oct 2021
Last Modified: N/A
QID#: 29,341,546

Correctly answered feedback

1.2m x 100=120
 (180+120)÷2=150
 150cm = 1.5m

Incorrectly answered feedback

1.2m x 100=120
 (180+120)÷2=150
 150cm = 1.5m

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Question 21

Primary 6 Math » 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.

Accepted answers:

- ✓ 1 7/12 l
- ✓ 1 7/12l
- ✓ 1 7/12

Question Type: Free Text
Date Added: Fri 15th Oct 2021
Last Modified: Fri 15th Oct 2021
QID#: 29,341,549

Correctly answered feedback

$$M \rightarrow \frac{7}{8} \left(\frac{21}{24} \right)$$

$$R \rightarrow \frac{7}{8} - \frac{1}{6} = \frac{21}{24} - \frac{4}{24} = \frac{17}{24}$$

$$\text{Total} \rightarrow \frac{21}{24} + \frac{17}{24} = \frac{38}{24} = 1 \frac{14}{24} = 1 \frac{7}{12} \ell$$

Incorrectly answered feedback

$$M \rightarrow \frac{7}{8} \left(\frac{21}{24} \right)$$

$$R \rightarrow \frac{7}{8} - \frac{1}{6} = \frac{21}{24} - \frac{4}{24} = \frac{17}{24}$$

$$\text{Total} \rightarrow \frac{21}{24} + \frac{17}{24} = \frac{38}{24} = 1 \frac{14}{24} = 1 \frac{7}{12} \ell$$

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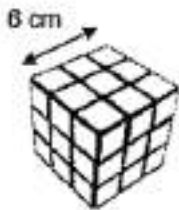
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Question 22

Primary 6 Math » 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?



Accepted answers:

✓ 480

Question Type: Free Text
Date Added: Fri 15th Oct 2021
Last Modified: N/A
QID#: 29,341,556

Correctly answered feedback

$40 \div 6 = 6R4$
 $50 \div 6 = 8R2$
 $60 \div 6 = 10$
 $6 \times 8 \times 10 = 480$

Incorrectly answered feedback

$40 \div 6 = 6R4$
 $50 \div 6 = 8R2$
 $60 \div 6 = 10$
 $6 \times 8 \times 10 = 480$

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

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Question 23

Primary 6 Math » 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 .

Accepted answers:

- ✓ $(3n-4)$ cookies
- ✓ $3n-4$ cookies

Question Type: Free Text
Date Added: Fri 15th Oct 2021
Last Modified: N/A
QID#: 29,341,564

Correctly answered feedback

$24n \div 8 = 3n$
 $(3n-4)$ cookies

Incorrectly answered feedback

$24n \div 8 = 3n$
 $(3n-4)$ cookies

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Question 24

Primary 6 Math » 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 remaining male members was 9 times that of the remaining female members. How many female members remained at the gym?

Accepted answers:

✓ 35

Question Type: Free Text
Date Added: Fri 15th Oct 2021
Last Modified: N/A
QID#: 29,341,569

Correctly answered feedback

$545 - 265 = 280$
 $8u = 280$
 $u = 35$

Incorrectly answered feedback

$545 - 265 = 280$
 $8u = 280$
 $u = 35$

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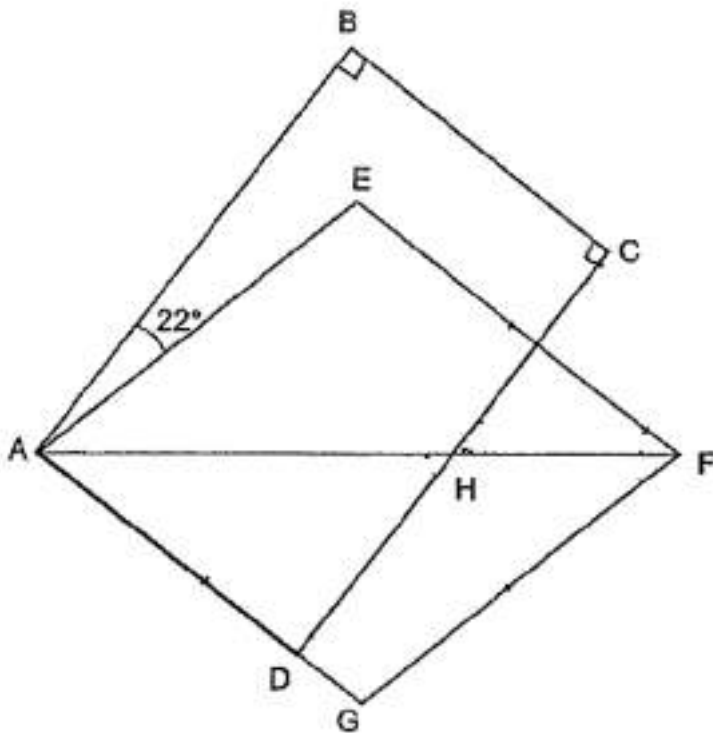
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Question 25

Primary 6 Math » Primary 6 Math (Prelim)

1 pt

In the figure, ABCD is a rectangle and AEFG is a rhombus.
 AHF is a straight line and $\angle BAE = 22^\circ$. Find $\angle CHF$.



Accepted answers:

✓ 56

Question Type: Free Text
Date Added: Fri 15th Oct 2021
Last Modified: N/A
QID#: 29,341,572

Correctly answered feedback

$(90-22)\div 2=34$
 $180-90-34=56$

Incorrectly answered feedback

$(90-22)\div 2=34$
 $180-90-34=56$

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Question 26

Primary 6 Math » 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?

Accepted answers:

✓ 4

Question Type: Free Text
Date Added: Fri 15th Oct 2021
Last Modified: N/A
QID#: 29,341,576

Correctly answered feedback

$0.3 \times 100 = 30$
 $2 \times 100 = 200$
 $200 \div 3 = 6 \text{ R } 20$
 $20 \div 6 = 3 \text{ R } 2$
 $3 + 1 = 4$

Incorrectly answered feedback

$0.3 \times 100 = 30$
 $2 \times 100 = 200$
 $200 \div 3 = 6 \text{ R } 20$
 $20 \div 6 = 3 \text{ R } 2$
 $3 + 1 = 4$

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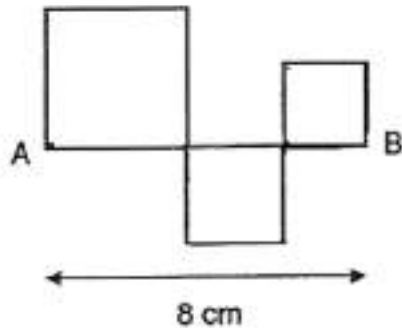
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Question 27

Primary 6 Math » Primary 6 Math (Prelim)

1 pt

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



Accepted answers:

- ✓ 32cm
- ✓ 32 cm
- ✓ 32

Question Type: Free Text
Date Added: Fri 15th Oct 2021
Last Modified: N/A
QID#: 29,341,578

Correctly answered feedback

4x8=32

Incorrectly answered feedback

4x8=32

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Question 28

Primary 6 Math » Primary 6 Math (Prelim)

1 pt

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?

Accepted answers:

- ✓ 3.5h
- ✓ 3.5 h
- ✓ 3.5

Question Type: Free Text
Date Added: Fri 15th Oct 2021
Last Modified: N/A
QID#: 29,341,584

Correctly answered feedback

1st+2nd hr -> $\$9 \times 2 = \18
 $42 - 18 = 24$
 $24 \div 8 = 3$
 $3 \times 30 \text{ min} = 90 \text{ min} = 1 \text{ h } 30 \text{ min}$
 $1 \text{ h } 30 \text{ min} + 1 \text{ h} + 1 \text{ h} = 3 \text{ h } 30 \text{ min} = 3.5 \text{ h}$

Incorrectly answered feedback

1st+2nd hr -> $\$9 \times 2 = \18
 $42 - 18 = 24$
 $24 \div 8 = 3$
 $3 \times 30 \text{ min} = 90 \text{ min} = 1 \text{ h } 30 \text{ min}$
 $1 \text{ h } 30 \text{ min} + 1 \text{ h} + 1 \text{ h} = 3 \text{ h } 30 \text{ min} = 3.5 \text{ h}$

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Question 29

Primary 6 Math » 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?

Accepted answers:

- ✓ 1/8 m2
- ✓ 1/8m2
- ✓ 1/8

Question Type: Free Text
Date Added: Fri 15th Oct 2021
Last Modified: N/A
QID#: 29,341,588

Correctly answered feedback

Left $\rightarrow \frac{5}{6} \times \frac{3}{4} = \frac{5}{8}$
 1 mask $\rightarrow \frac{5}{8} \div 5 = \frac{5}{8} \times \frac{1}{5} = \frac{1}{8} \text{ m}^2$

Incorrectly answered feedback

Left $\rightarrow \frac{5}{6} \times \frac{3}{4} = \frac{5}{8}$
 1 mask $\rightarrow \frac{5}{8} \div 5 = \frac{5}{8} \times \frac{1}{5} = \frac{1}{8} \text{ m}^2$

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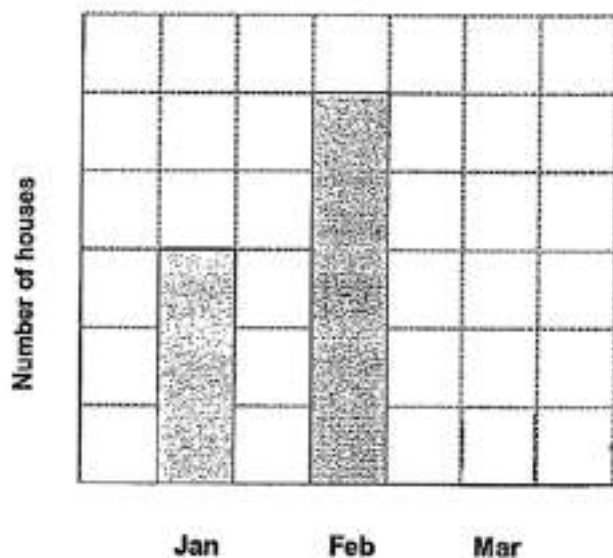
Question 30

Primary 6 Math » 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 Type: Essay
Date Added: Fri 15th Oct 2021
Last Modified: N/A
QID#: 29,341,592

Correctly answered feedback

Mar = 1u

Incorrectly answered feedback

Mar = 1u

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

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Question 31

Primary 6 Math » 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.

Accepted answers:

✓ 10.1%

✓ 10.1 %

✓ 10.1

Question Type: Free Text
Date Added: Fri 15th Oct 2021
Last Modified: Fri 15th Oct 2021
QID#: 29,341,605

Correctly answered feedback

538-110=428
 306+25 = 331
 before -> 538 +306=884
 after -> 428+331=759
 844-759=85
 85/844 x 100% = 10.1%

Incorrectly answered feedback

538-110=428
 306+25 = 331
 before -> 538 +306=884
 after -> 428+331=759
 844-759=85
 85/844 x 100% = 10.1%

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Question 32

Primary 6 Math » 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?

Accepted answers:

✓ 15

Question Type: Free Text
Date Added: Fri 15th Oct 2021
Last Modified: N/A
QID#: 29,341,608

Correctly answered feedback

135-21=114
114-99=15

Incorrectly answered feedback

135-21=114
114-99=15

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Question 33

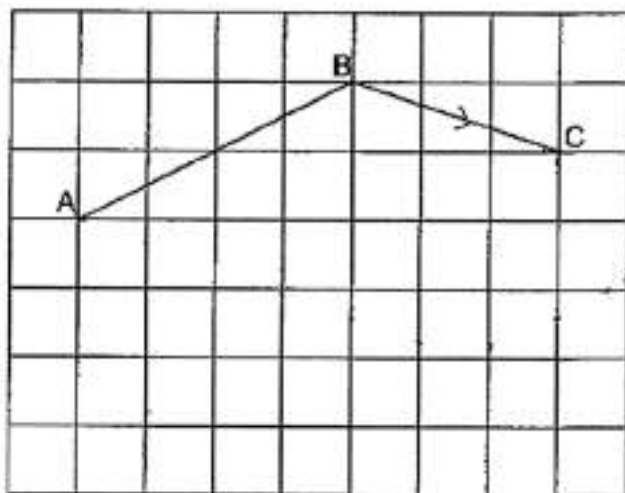
Primary 6 Math » Primary 6 Math (Prelim)

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.



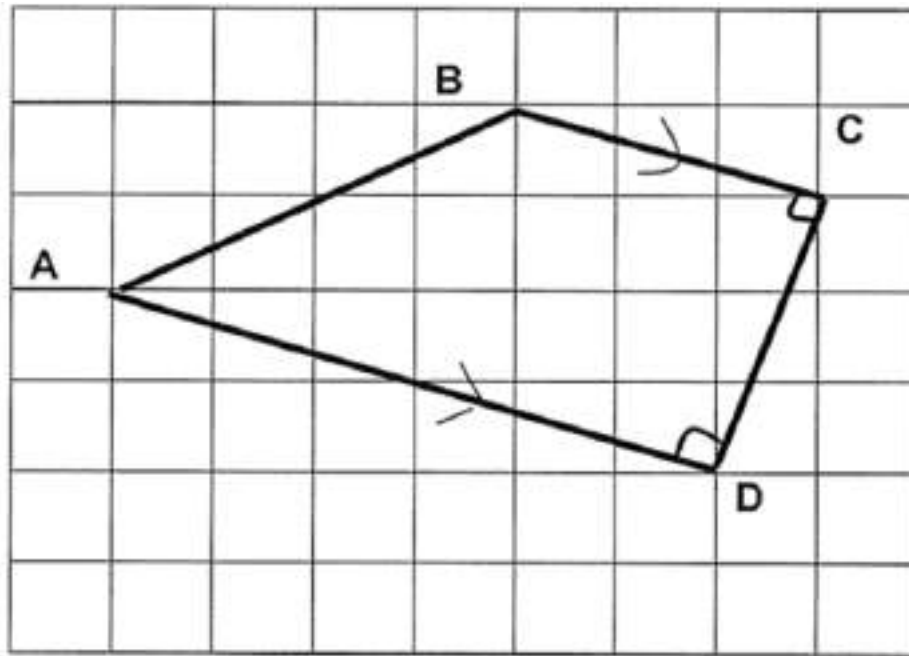
Question Type: Essay

Date Added: Fri 15th Oct 2021

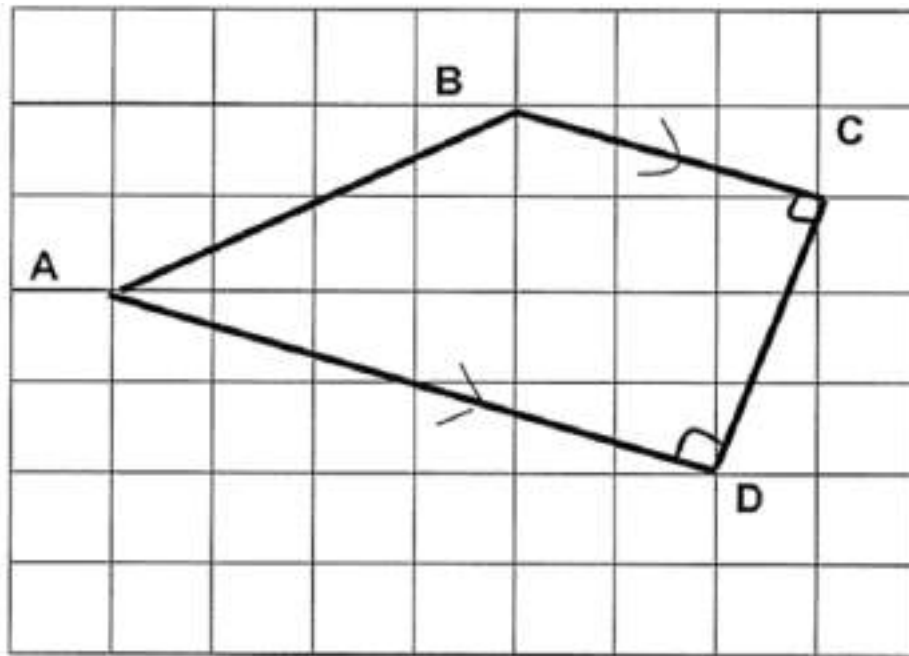
Last Modified: N/A

QID#: 29,341,612

Correctly answered feedback



Incorrectly answered feedback



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Question 34

Primary 6 Math » Primary 6 Math (Prelim)

1 pt

Amos is 12 Years 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?

Accepted answers:

✓ 5 years

✓ 5

Question Type: Free Text
Date Added: Fri 15th Oct 2021
Last Modified: N/A
QID#: 29,341,622

Correctly answered feedback

15-3=12
 12u->12
 8-3=5
 5u->12÷12x5=5

Incorrectly answered feedback

15-3=12
 12u->12
 8-3=5
 5u->12÷12x5=5

[↗ Answers](#) | [✎ Edit](#) | [📄 Duplicate](#) | [↶ Used In](#) | [⬇ Reorder](#)

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Question 35

Primary 6 Math » 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 Type: Multiple Choice
Randomize Answers: No
Date Added: Fri 15th Oct 2021
Last Modified: N/A
QID#: 29,341,627

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Question 36

Primary 6 Math » 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 Type: Multiple Choice
Randomize Answers: No
Date Added: Fri 15th Oct 2021
Last Modified: N/A
QID#: 29,341,633

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Question 37

Primary 6 Math » 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 Type: Multiple Choice
Randomize Answers: No
Date Added: Fri 15th Oct 2021
Last Modified: N/A
QID#: 29,341,636

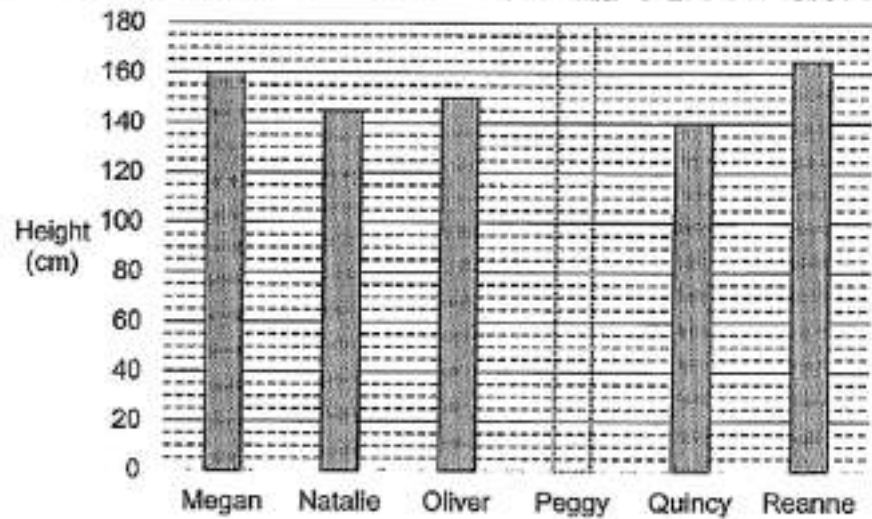
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Question 38

Primary 6 Math » 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?

Accepted answers:

- ✓ 170cm
- ✓ 170 cm
- ✓ 170

Question Type: Free Text
Date Added: Fri 15th Oct 2021
Last Modified: N/A
QID#: 29,341,643

Correctly answered feedback

$$(140+160)\div 2=150$$

$$150+20=170$$

Incorrectly answered feedback

$$(140+160)\div 2=150$$

$$150+20=170$$

[Answers](#) |
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Question 39

Primary 6 Math » 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 Type: Multiple Response
Randomize Answers: No
Grade style: Full points if all answers are correct
Date Added: Fri 15th Oct 2021
Last Modified: N/A
QID#: 29,341,652

Correctly answered feedback

$(160+145+150+170+140+165)\div 6=155$

Incorrectly answered feedback

$(160+145+150+170+140+165)\div 6=155$

[↗ Answers](#) |
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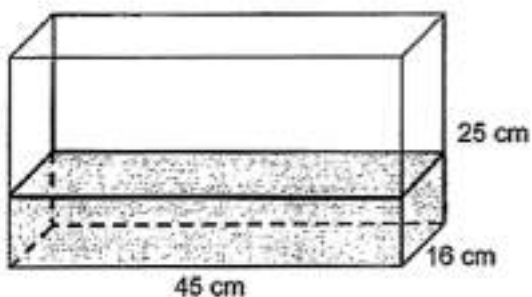
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Question 40

Primary 6 Math » 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?



Accepted answers:

- ✓ 15

Question Type: Free Text
Date Added: Fri 15th Oct 2021
Last Modified: N/A
QID#: 29,341,658

Correctly answered feedback

$$\frac{1}{3} \text{ full} \rightarrow (4 \times 16 \times 25) \div 3 = 6000$$

$$\frac{7}{8} \text{ full} \rightarrow (45 \times 16 \times 25) \div 8 \times 7 = 15750$$

$$15750 - 6000 = 9750$$

$$9750 \div 650 = 15$$

Incorrectly answered feedback

$$\frac{1}{3} \text{ full} \rightarrow (4 \times 16 \times 25) \div 3 = 6000$$

$$\frac{7}{8} \text{ full} \rightarrow (45 \times 16 \times 25) \div 8 \times 7 = 15750$$

$$15750 - 6000 = 9750$$

$$9750 \div 650 = 15$$

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

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Question 41

Primary 6 Math » 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?

Accepted answers:

✓ 180

Question Type: Free Text
Date Added: Fri 15th Oct 2021
Last Modified: N/A
QID#: 29,341,668

Correctly answered feedback

Mr - $120 \times 9 = 1080$
 $1800 - 1080 = 720$
 $720 \div 4 = 180$

Incorrectly answered feedback

Mr - $120 \times 9 = 1080$
 $1800 - 1080 = 720$
 $720 \div 4 = 180$

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

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Question 42

Primary 6 Math » 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?

Accepted answers:

- ✓ 5h
- ✓ 5 h
- ✓ 5

Question Type: Free Text
Date Added: Fri 15th Oct 2021
Last Modified: N/A
QID#: 29,341,679

Correctly answered feedback

$1800 \div 180 = 10$
 $15 - 10 = 5\text{h}$

Incorrectly answered feedback

$1800 \div 180 = 10$
 $15 - 10 = 5\text{h}$

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

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Question 43

Primary 6 Math » 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?

Accepted answers:

✓ 3216

Question Type: Free Text
Date Added: Fri 15th Oct 2021
Last Modified: N/A
QID#: 29,341,701

Correctly answered feedback

C -> $24 \div 6 \times 37 = 148$
 D -> $24 \div 8 \times 99 = 297$
 $29815 \div (148 + 297) = 67$
 $67 \times (24 \div 6 + 24 \div 8) = 3216$

Incorrectly answered feedback

C -> $24 \div 6 \times 37 = 148$
 D -> $24 \div 8 \times 99 = 297$
 $29815 \div (148 + 297) = 67$
 $67 \times (24 \div 6 + 24 \div 8) = 3216$

↗ Answers | ✎ Edit | 📄 Duplicate | ↗ Used In | ⚡ Reorder

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Question 44

Primary 6 Math » 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?

Accepted answers:

✓ 42%

✓ 42 %

✓ 42

Question Type: Free Text
Date Added: Fri 15th Oct 2021
Last Modified: N/A
QID#: 29,341,706

Correctly answered feedback

60-18=42

Incorrectly answered feedback

60-18=42

[↗ Answers](#) | [✎ Edit](#) | [📄 Duplicate](#) | [📌 Used In](#) | [⬇ Reorder](#)

[Remove From Test](#)**Question 45**

Primary 6 Math » Primary 6 Math (Prelim)

1 pt

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

Accepted answers:

✓ 1600

Question Type: Free Text
Date Added: Fri 15th Oct 2021
Last Modified: N/A
QID#: 29,341,712

Correctly answered feedback

13u=208
 100u= 208÷13x100=1600

Incorrectly answered feedback

13u=208
 100u= 208÷13x100=1600

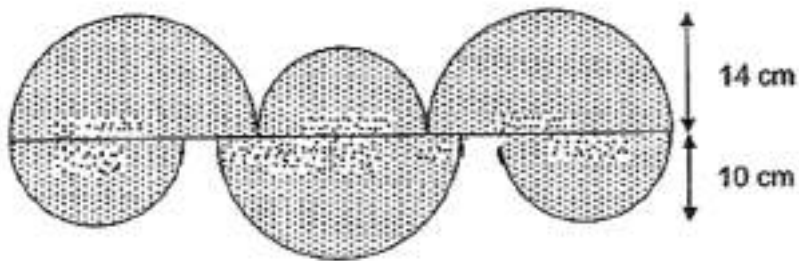
[↗ Answers](#) | [✎ Edit](#) | [📄 Duplicate](#) | [📌 Used In](#) | [⬇ Reorder](#)

[Remove From Test](#)**Question 46**

Primary 6 Math » Primary 6 Math (Prelim)

1 pt

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



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

Accepted answers:

- ✓ 234.19cm
- ✓ 234.19 cm
- ✓ 234.19

Question Type: Free Text
Date Added: Fri 15th Oct 2021
Last Modified: N/A
QID#: 29,341,716

Correctly answered feedback

Diameter of	$28 + 20 + 28 = 76$
Large semi $\rightarrow 14 \times 2 = 28$	$20 + 28 + 20 = 68$
Small semi $\rightarrow 10 \times 2 = 20$	$(76 - 68) \div 2 = 4$

Perimeter of $\rightarrow \frac{3}{2} \times \pi \times 28 = 42\pi$

$\rightarrow \frac{3}{2} \times \pi \times 20 = 30\pi$

$\rightarrow 4 + 4 = 8$

Total $\rightarrow 42\pi + 30\pi + 8 \approx 234.19\text{cm}$

Incorrectly answered feedback

<u>Diameter of</u>	$28 + 20 + 28 = 76$
Large semi $\rightarrow 14 \times 2 = 28$	$20 + 28 + 20 = 68$
Small semi $\rightarrow 10 \times 2 = 20$	$(76 - 68) \div 2 = 4$

Perimeter of $\rightarrow \frac{3}{2} \times \pi \times 28 = 42\pi$

$\rightarrow \frac{3}{2} \times \pi \times 20 = 30\pi$

$\rightarrow 4 + 4 = 8$

Total $\rightarrow 42\pi + 30\pi + 8 \approx 234.19\text{cm}$

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

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Question 47

Primary 6 Math » Primary 6 Math (Prelim)

0 pts

The figure shows a parallelogram PQRS drawn on a grid.

(a) PRTU is a rectangle that has half the area of PQRS.

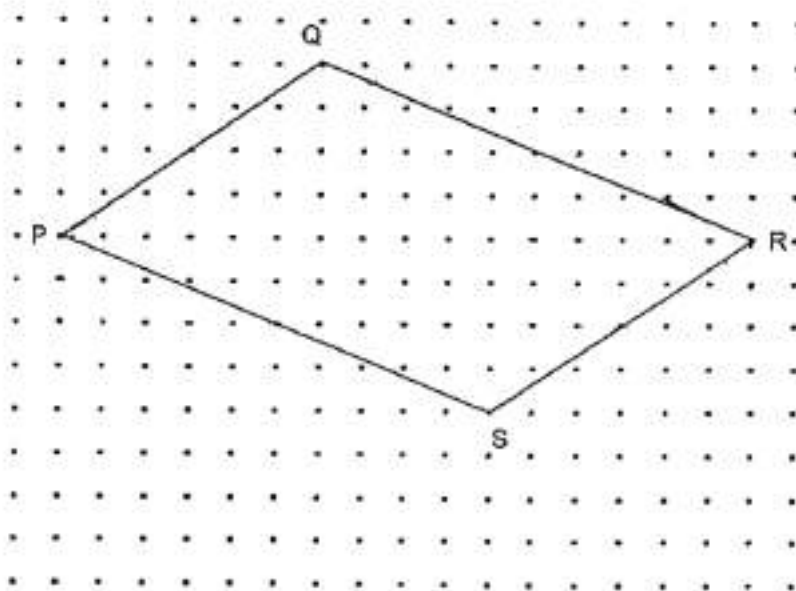
Draw PRTU on the grid.

[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]

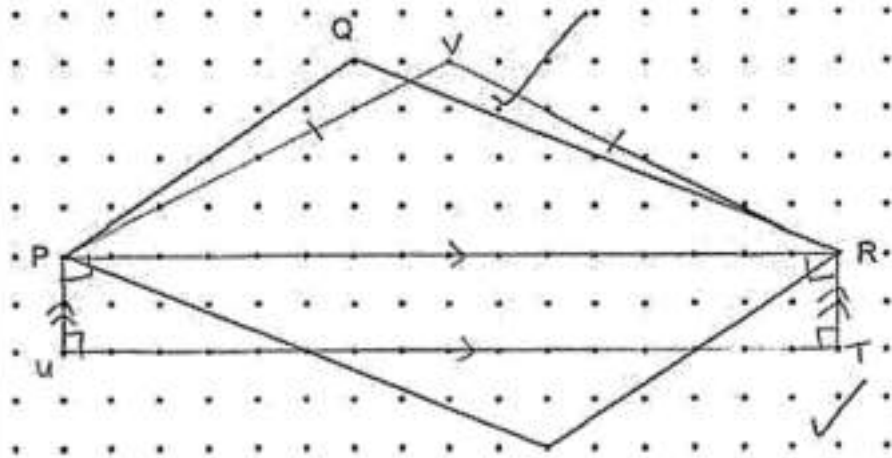


Question Type: Essay

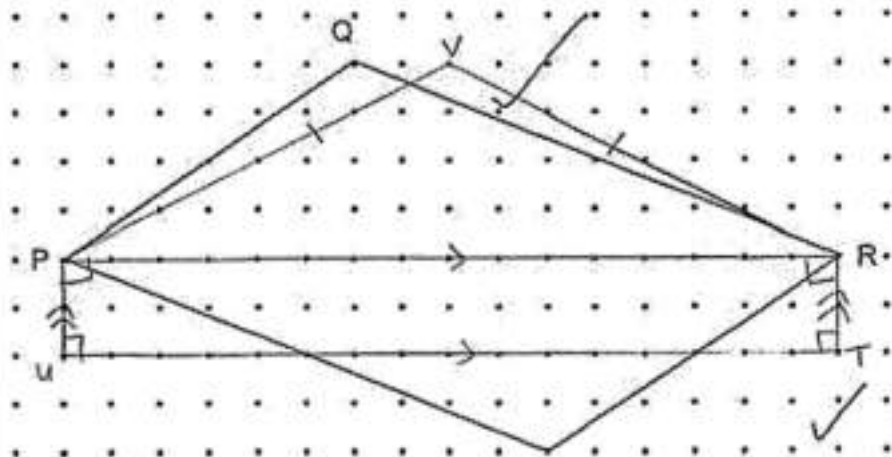
Date Added: Fri 15th Oct 2021

Last Modified: N/A

Correctly answered feedback



Incorrectly answered feedback



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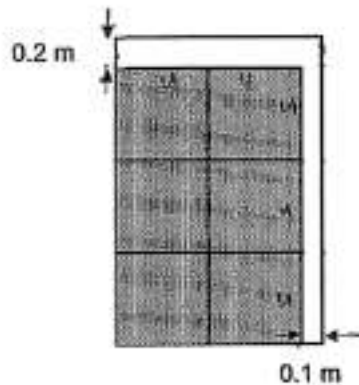
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Question 48

Primary 6 Math » 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.



What is the area of the rectangle?

Accepted answers:

- ✓ 12600cm2
- ✓ 12600 cm2
- ✓ 12600

Question Type: Free Text

Date Added: Fri 15th Oct 2021

Last Modified: N/A

QID#: 29,341,728

Correctly answered feedback

$$a \rightarrow (2x) \times 20 + (10 \times 20) = 40 \times 20$$

$$b \rightarrow (3x) \times 10 = 30x$$

$$70x + 200 = 3000$$

$$x \rightarrow (3000 - 200) \div 70 = 40$$

$$3x \rightarrow 40 \times 3 = 120$$

$$2x \rightarrow 40 \times 2 = 80$$

$$(120 + 20) \times (80 + 10) = 12600\text{cm}^2$$

Incorrectly answered feedback

$$a \rightarrow (2x) \times 20 + (10 \times 20) = 40 \times 200$$

$$b \rightarrow (3x) \times 10 = 30x$$

$$70x + 200 = 3000$$

$$x \rightarrow (3000 - 200) \div 70 = 40$$

$$3x \rightarrow 40 \times 3 = 120$$

$$2x \rightarrow 40 \times 2 = 80$$

$$(120 + 20) \times (80 + 10) = 12600 \text{cm}^2$$

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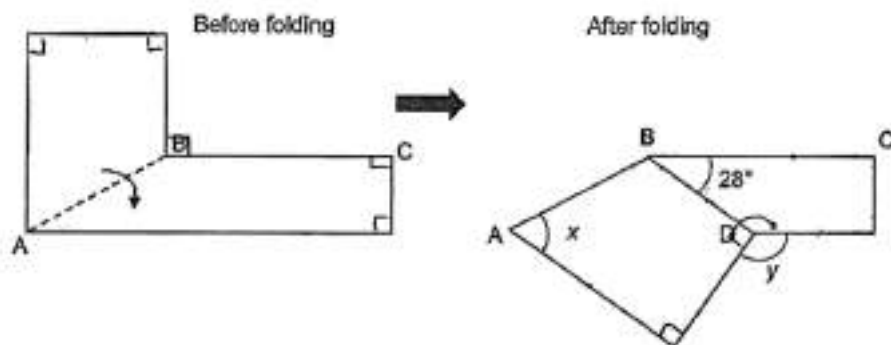
Question 49

Primary 6 Math » Primary 6 Math (Prelim)

1 pt

1. A L-shaped paper is made up of perpendicular lines. It is folded along line AB as shown. $\angle CBD = 28^\circ$.

(a) Find $\angle x$.



Accepted answers:

✓ 59

Question Type: Free Text

Date Added: Fri 15th Oct 2021

Last Modified: N/A

QID#: 29,341,735

Correctly answered feedback

$$360 - 90 = 152$$

$$(270 - 28) \div 2 = 121$$

$$180 - 121 = 59$$

Incorrectly answered feedback

360-90=152
(270-28)÷2=121
180-121=59

[↗ Answers](#) | [✎ Edit](#) | [📄 Duplicate](#) | [📌 Used In](#) | [⬇️ Reorder](#)

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Question 50

Primary 6 Math » Primary 6 Math (Prelim)

1 pt

b) Find angle y

Accepted answers:

✓ 118

Question Type: Free Text
Date Added: Fri 15th Oct 2021
Last Modified: N/A
QID#: 29,341,742

Correctly answered feedback

180-28=152
360-152-90=118

Incorrectly answered feedback

180-28=152
360-152-90=118

[↗ Answers](#) | [✎ Edit](#) | [📄 Duplicate](#) | [📌 Used In](#) | [⬇️ Reorder](#)

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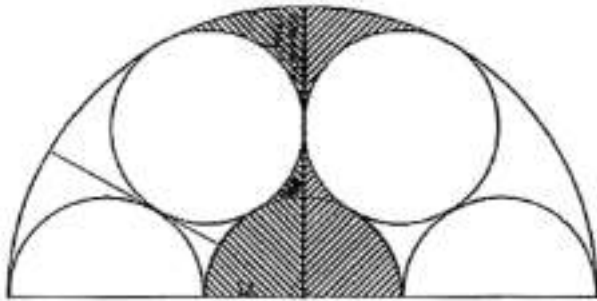
Question 51

Primary 6 Math » 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.



Accepted answers:

✓ 10

Question Type: Free Text
Date Added: Fri 15th Oct 2021
Last Modified: N/A
QID#: 29,341,747

Correctly answered feedback

$3u=30\text{cm}$
 $3u=20\text{cm}$
 $20/2=10$

Incorrectly answered feedback

$3u=30\text{cm}$
 $3u=20\text{cm}$
 $20/2=10$

[↶ Answers](#) | [✎ Edit](#) | [📄 Duplicate](#) | [📌 Used In](#) | [⬇ Reorder](#)

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Question 52

Primary 6 Math » 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

Accepted answers:

✓ 261.7

Question Type: Free Text
Date Added: Fri 15th Oct 2021
Last Modified: Fri 15th Oct 2021
QID#: 29,341,754

Correctly answered feedback

b)Area of..

$$\text{Big qued} \rightarrow \frac{1}{4} \times 3.14 \times 30 \times 30 = 706.5$$

$$1\frac{3}{4} \text{ small circle} \rightarrow 549.5$$

$$3 \text{ []} \rightarrow 706.5 - 549.5 = 157$$

$$1 \text{ []} \rightarrow 157 \div 3 = 52\frac{1}{3}$$

$$\text{Small quad} \rightarrow \frac{1}{4} \times 3.14 \times 10 \times 10 = 78.5$$

$$\text{Total shaded} \rightarrow (52\frac{1}{3} + 78.5) \times 2 \approx 261.7$$

Incorrectly answered feedback

b)Area of..

$$\text{Big qued} \rightarrow \frac{1}{4} \times 3.14 \times 30 \times 30 = 706.5$$

$$1\frac{3}{4} \text{ small circle} \rightarrow 549.5$$

$$3 \text{ []} \rightarrow 706.5 - 549.5 = 157$$

$$1 \text{ []} \rightarrow 157 \div 3 = 52\frac{1}{3}$$

$$\text{Small quad} \rightarrow \frac{1}{4} \times 3.14 \times 10 \times 10 = 78.5$$

$$\text{Total shaded} \rightarrow (52\frac{1}{3} + 78.5) \times 2 \approx 261.7$$

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

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Question 53

Primary 6 Math » 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?

Accepted answers:

500



Question Type: Free Text
Date Added: Fri 15th Oct 2021
Last Modified: N/A
QID#: 29,341,763

Correctly answered feedback

5.5u=55
 32.5+17.5=50
 50u=500

Incorrectly answered feedback

5.5u=55
 32.5+17.5=50
 50u=500

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

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Question 54

Primary 6 Math » 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?

Accepted answers:

169

Question Type: Free Text
Date Added: Fri 15th Oct 2021
Last Modified: N/A
QID#: 29,341,766

Correctly answered feedback

13u=55+5.5x50=500
 130+10x13=169

Incorrectly answered feedback

13u=55+5.5x50=500
 130+10x13=169

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

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Question 55

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?

Accepted answers:

✓ 98

Question Type: Free Text
Date Added: Fri 15th Oct 2021
Last Modified: N/A
QID#: 29,341,773

Correctly answered feedback

$$\begin{aligned} \text{a) } & 4u + x = 15p \\ & 9u - x = 11p \\ & 36u + 9x = 135p \\ & 36u - 4x = 44p \\ & 13x \rightarrow 91p \\ & x \rightarrow 7p \\ & 15p - 7p = 8p \\ & 4u = 8p \\ & 9u = 18p \\ & 18p - 15p = 3p \\ & 3p \rightarrow 126 \\ & 7p \rightarrow 126 \div 3 \times 7 = 294 \\ & 294 \div 3 = 98 \end{aligned}$$

Incorrectly answered feedback

$$\begin{aligned} \text{a) } & 4u + x = 15p \\ & 9u - x = 11p \\ & 36u + 9x = 135p \\ & 36u - 4x = 44p \\ & 13x \rightarrow 91p \\ & X \rightarrow 7p \\ & 15p - 7p = 8p \\ & 4u = 8p \\ & 9u = 18p \\ & 18p - 15p = 3p \\ & 3p \rightarrow 126 \\ & 7p \rightarrow 126 \div 3 \times 7 = 294 \\ & 294 \div 3 = 98 \end{aligned}$$

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Question 56

Primary 6 Math » Primary 6 Math (Prelim)

1 pt

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

Accepted answers:

✓ 7/40

Question Type: Free Text
Date Added: Fri 15th Oct 2021
Last Modified: N/A
QID#: 29,341,775

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)

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