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

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Test Introduction

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55 Questions (62 Points)

Question Bank: 12,655 Questions

Test Questions

0 Test Assignments

Question 1

Primary 6 Math » 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 Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 29th Sep 2021
Last Modified: N/A
QID#: 29,172,428

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Question 2

Primary 6 Math » 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 Type: Multiple Choice

Randomize Answers: No

Date Added: Wed 29th Sep 2021

Last Modified: N/A

QID#: 29,172,447

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Question 3

Primary 6 Math » 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 Type: Multiple Choice

Randomize Answers: No

Date Added: Wed 29th Sep 2021
Last Modified: N/A
QID#: 29,172,458

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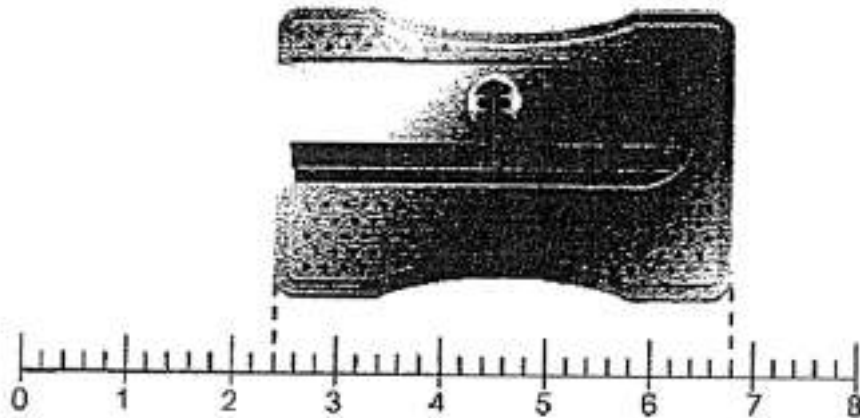
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Question 4

Primary 6 Math » 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 Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 29th Sep 2021
Last Modified: N/A
QID#: 29,172,465

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Question 5

Primary 6 Math » Primary 6 Math (Term 2)

1 pt

Arrange the following numbers from the smallest to the largest.

64.78	64.8	64.087
-------	------	--------

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 Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 29th Sep 2021
Last Modified: N/A
QID#: 29,172,483

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Question 6

Primary 6 Math » 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 Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 29th Sep 2021
Last Modified: N/A
QID#: 29,172,499

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Question 7

Primary 6 Math » 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 Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 29th Sep 2021
Last Modified: N/A
QID#: 29,172,510

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Question 8

Primary 6 Math » 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 Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 29th Sep 2021
Last Modified: N/A
QID#: 29,172,535

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Question 9

Primary 6 Math » 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 Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 29th Sep 2021
Last Modified: N/A
QID#: 29,172,548

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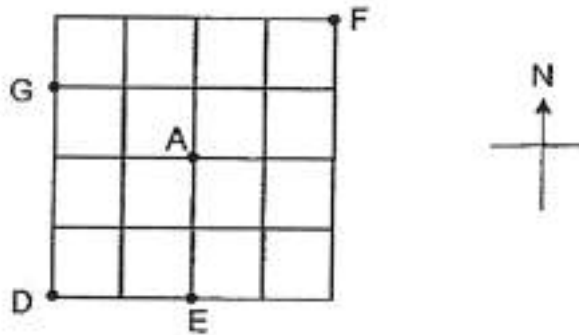
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Question 10

Primary 6 Math » Primary 6 Math (Term 2)

1 pt

Which point is south-west of A?



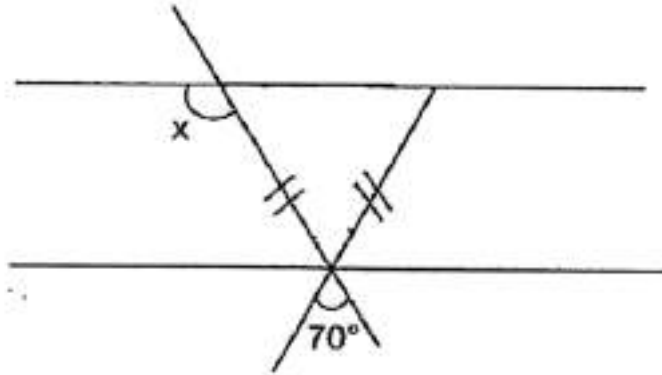
- ✓ A. D
- B. E
- C. F
- D. G

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 29th Sep 2021
Last Modified: N/A
QID#: 29,172,551

Question 11

Primary 6 Math » Primary 6 Math (Term 2)

1 pt

Find $\angle x$.

- A. 55
 B. 70
 C. 110
 ✓ D. 125

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 29th Sep 2021
Last Modified: N/A
QID#: 29,172,559

Question 12

Primary 6 Math » 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 Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 29th Sep 2021
Last Modified: N/A
QID#: 29,172,586

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Question 13

Primary 6 Math » 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 Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 29th Sep 2021
Last Modified: N/A
QID#: 29,172,596

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Question 14

Primary 6 Math » 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 Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 29th Sep 2021
Last Modified: N/A
QID#: 29,172,607

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Question 15

Primary 6 Math » 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 Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 29th Sep 2021
Last Modified: N/A
QID#: 29,172,614

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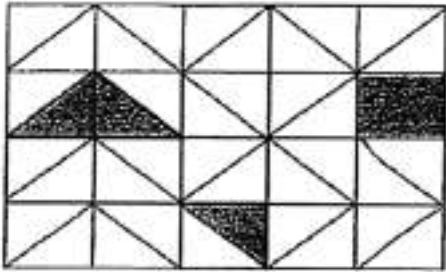
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Question 16

Primary 6 Math » Primary 6 Math (Term 2)

1 pt

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



Accepted answers:

- ✓ 25

Question Type: Free Text
Date Added: Wed 29th Sep 2021
Last Modified: N/A
QID#: 29,172,630

Correctly answered feedback

Total no = 5x8=40
 3/4 of fid= 3/4 x40= 30

 shaded = 5
 30-5=25

Incorrectly answered feedback

Total no = $5 \times 8 = 40$
 $\frac{3}{4}$ of fid = $\frac{3}{4} \times 40 = 30$
 shaded = 5
 $30 - 5 = 25$

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Question 17

Primary 6 Math » Primary 6 Math (Term 2)

1 pt

Find the value of 750×80

Accepted answers:

✓ 60000

Question Type: Free Text
Date Added: Wed 29th Sep 2021
Last Modified: N/A
QID#: 29,172,639

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Question 18

Primary 6 Math » Primary 6 Math (Term 2)

1 pt

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

Accepted answers:

✓ 578

Question Type: Free Text
Date Added: Wed 29th Sep 2021
Last Modified: N/A
QID#: 29,172,643

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Question 19

Primary 6 Math » Primary 6 Math (Term 2)

1 pt

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

Accepted answers:

- ✓ 3/8
- ✓ 3/8
- ✓ 3/8
- ✓ 3/8

Question Type: Free Text
Date Added: Wed 29th Sep 2021
Last Modified: N/A
QID#: 29,172,657

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Question 20

Primary 6 Math » Primary 6 Math (Term 2) 1 pt

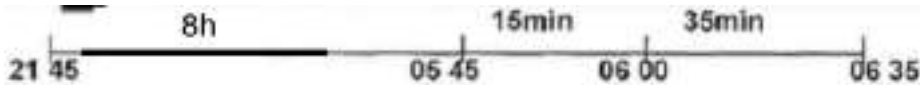
Chee Seong took an overnight train to his hometown. The train left the station at 21 45 and arrived 8h 50min later. What time did Chee Seong arrive at his hometown? Give your answer in 24 hour clock

Accepted answers:

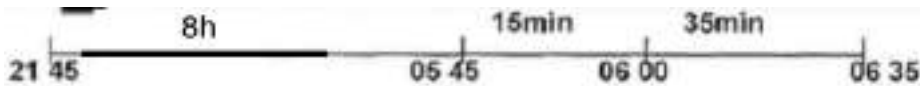
- ✓ 06 35

Question Type: Free Text
Date Added: Wed 29th Sep 2021
Last Modified: Wed 29th Sep 2021
QID#: 29,172,665

Correctly answered feedback



Incorrectly answered feedback



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Question 21

Primary 6 Math » 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?

Accepted answers:

- ✓ \$0.08
- ✓ \$ 0.08
- ✓ \$=0.08

Question Type: Free Text
Date Added: Wed 29th Sep 2021
Last Modified: N/A
QID#: 29,172,672

Correctly answered feedback

$16 \div 2 = 200$
 $= 8 \div 100$
 $= 0.08$

Incorrectly answered feedback

$16 \div 2 = 200$
 $= 8 \div 100$
 $= 0.08$

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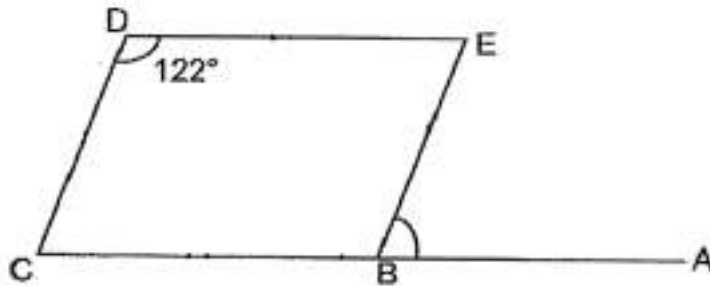
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Question 22

Primary 6 Math » Primary 6 Math (Term 2)

2 pts

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



Accepted answers:

- ✓ 58

Question Type: Free Text
Date Added: Wed 29th Sep 2021
Last Modified: N/A
QID#: 29,172,675

Correctly answered feedback

EBC = ECD= 122
EBA = 180-122=58

Incorrectly answered feedback

EBC = ECD= 122
EBA = 180-122=58

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Question 23

Primary 6 Math » Primary 6 Math (Term 2)

2 pts

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

Accepted answers:

- ✓ 41.120kg
- ✓ 41.120 kg
- ✓ 41.120

Question Type: Free Text

Date Added: Wed 29th Sep 2021

Last Modified: N/A

QID#: 29,172,678

Correctly answered feedback

2kg 56g = 2056g
total mass = 20x2056=41120g = 41.120kg

Incorrectly answered feedback

2kg 56g = 2056g
total mass = 20x2056=41120g = 41.120kg

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

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Question 24

Primary 6 Math » 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?

Accepted answers:

- ✓ 4.8h
- ✓ 4.8 h
- ✓ 4.8

Question Type: Free Text
Date Added: Wed 29th Sep 2021
Last Modified: N/A
QID#: 29,172,682

Correctly answered feedback

	time taken
30 → 1200 cupcakes	8h
1c → 1200 cupcakes	$3 \times 8h = 24h$
5c → 1200 cupcakes	$24h \div 5 = 4.8h$

Incorrectly answered feedback

	time taken
30 → 1200 cupcakes	8h
1c → 1200 cupcakes	$3 \times 8h = 24h$
5c → 1200 cupcakes	$24h \div 5 = 4.8h$

[↩ Answers](#) | [✎ Edit](#) | [📄 Duplicate](#) | [↶ Used In](#) | [↕ Reorder](#)

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Question 25

Primary 6 Math » 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 Type: Essay
Date Added: Wed 29th Sep 2021
Last Modified: N/A
QID#: 29,172,690

Correctly answered feedback

bought ---- $2 \times y = 2y$
 after buying --- $y + 2y = 3y$
 after giving away --- $3y - 25$
 each sister ---- $\left(\frac{3y-25}{3}\right)$ sweet

Incorrectly answered feedback

bought ---- $2 \times y = 2y$
 after buying --- $y + 2y = 3y$
 after giving away --- $3y - 25$
 each sister ---- $\left(\frac{3y-25}{3}\right)$ sweet

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Question 26

Primary 6 Math » 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?

Accepted answers:

✓ 53

Question Type: Free Text

Date Added: Wed 29th Sep 2021

Last Modified: N/A

QID#: 29,172,708

Correctly answered feedback

Total score of all sub= $4 \times 72 = 288$
 total score of EL and SC = $288 - (85 + 97) = 288 - 182 = 106$
 Avg score of EL and SC = $106 \div 2 = 53$

Incorrectly answered feedback

Total score of all sub= $4 \times 72 = 288$
 total score of EL and SC = $288 - (85 + 97) = 288 - 182 = 106$
 Avg score of EL and SC = $106 \div 2 = 53$

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Question 27

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?

Accepted answers:

✓ 42

Question Type: Free Text
Date Added: Wed 29th Sep 2021
Last Modified: N/A
QID#: 29,172,711

Correctly answered feedback

LCM of 10 and 35=70
 SC = 6 for \$10 = 42 for \$70
 HL = 4 for \$35 = 8 for \$70

Incorrectly answered feedback

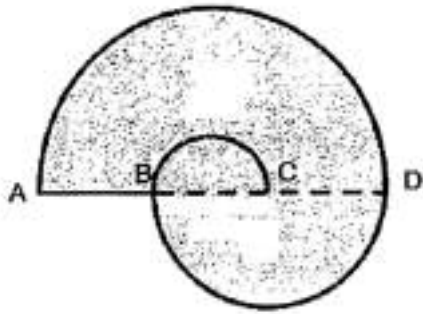
LCM of 10 and 35=70
 SC = 6 for \$10 = 42 for \$70
 HL = 4 for \$35 = 8 for \$70

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Question 28

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 $\pi = 3.14$



Accepted answers:

- ✓ 2041cm²
- ✓ 2041 cm²
- ✓ 2041

Question Type: Free Text
Date Added: Wed 29th Sep 2021
Last Modified: N/A
QID#: 29,172,714

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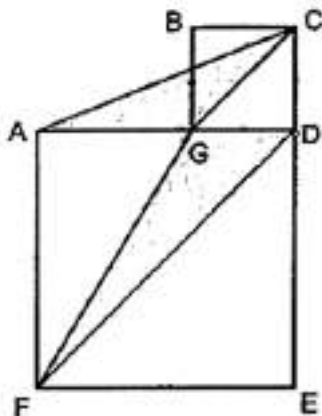
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Question 29

Primary 6 Math » 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?



Accepted answers:

- ✓ 32cm³
- ✓ 32 cm³
- ✓ 32

Question Type: Free Text

Date Added: Wed 29th Sep 2021

Last Modified: N/A

QID#: 29,172,742

Correctly answered feedback

$$CD \rightarrow \sqrt{16} = 4$$

$$DE \rightarrow \sqrt{100} = 10$$

$$AG \rightarrow 10\text{cm} - 4\text{cm} = 6\text{cm}$$

$$\triangle X \rightarrow \frac{1}{2} \times 6 \times 4 = 12$$

$$\triangle Y \rightarrow \frac{1}{2} \times 4 \times 10 = 20$$

$$12\text{cm}^2 + 20\text{cm}^2 = 32\text{cm}^3$$

Incorrectly answered feedback

$$CD \rightarrow \sqrt{16} = 4$$

$$DE \rightarrow \sqrt{100} = 10$$

$$AG \rightarrow 10\text{cm} - 4\text{cm} = 6\text{cm}$$

$$\triangle X \rightarrow \frac{1}{2} \times 6 \times 4 = 12$$

$$\triangle Y \rightarrow \frac{1}{2} \times 4 \times 10 = 20$$

$$12\text{cm}^2 + 20\text{cm}^2 = 32\text{cm}^3$$

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Question 30

Primary 6 Math » 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 Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 29th Sep 2021
Last Modified: N/A
QID#: 29,172,793

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Question 31

Primary 6 Math » 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?

Accepted answers:

- ✓ 50%
- ✓ 50 %
- ✓ 50

Question Type: Free Text
Date Added: Wed 29th Sep 2021
Last Modified: N/A
QID#: 29,172,795

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Question 32

Primary 6 Math » 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.

Accepted answers:

- ✓ 7/5
- ✓ 7 / 5
- ✓ 7 /5
- ✓ 7 / 5

Question Type: Free Text
Date Added: Wed 29th Sep 2021
Last Modified: N/A
QID#: 29,173,070

Correctly answered feedback

$$R \rightarrow 288 - 120 = 168$$

$$\frac{R}{J} = \frac{168}{120} = \frac{7}{5}$$

Incorrectly answered feedback

$$R \rightarrow 288 - 120 = 168$$

$$\frac{R}{J} = \frac{168}{120} = \frac{7}{5}$$

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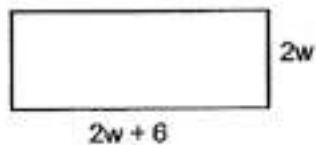
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Question 33

Primary 6 Math » Primary 6 Math (Term 2)

1 pt

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



Accepted answers:

- ✓ 52cm
- ✓ 52 cm
- ✓ 52

Question Type: Free Text
Date Added: Wed 29th Sep 2021
Last Modified: N/A
QID#: 29,173,075

Correctly answered feedback

$$4 \times 2w + 6 + 6 = 8w + 12 = 220$$

$$8w = 220 - 12 = 208$$

$$2w = 208 \div 4 = 52$$

Incorrectly answered feedback

$$4 \times 2w + 6 + 6 = 8w + 12 = 220$$

$$8w = 220 - 12 = 208$$

$$2w = 208 \div 4 = 52$$

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

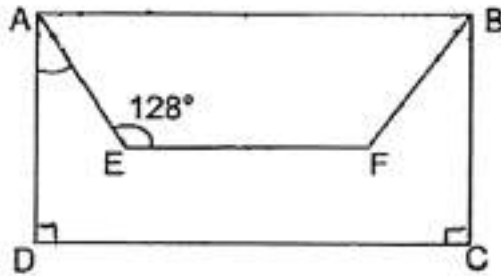
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Question 34

Primary 6 Math » Primary 6 Math (Term 2)

1 pt

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



Accepted answers:

✓ 38

Question Type: Free Text

Date Added: Wed 29th Sep 2021

Last Modified: N/A

QID#: 29,173,077

Correctly answered feedback

BAE = $180 - 128 = 52$
DAW = $90 - 52 = 38$

Incorrectly answered feedback

BAE = $180 - 128 = 52$
DAW = $90 - 52 = 38$

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Question 35

Primary 6 Math » 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?

Accepted answers:

✓ 36.1kg

✓ 36.1 kg

✓ 36.1

Question Type: Free Text
Date Added: Wed 29th Sep 2021
Last Modified: N/A
QID#: 29,173,090

Correctly answered feedback

1u = 35.1-6.4+13.8=42.5
 B Yeats ago-> 42.5-6.4=36.1

Incorrectly answered feedback

1u = 35.1-6.4+13.8=42.5
 B Yeats ago-> 42.5-6.4=36.1

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Question 36

Primary 6 Math » 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 Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 29th Sep 2021
Last Modified: N/A
QID#: 29,173,094

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Question 37

Primary 6 Math » 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 Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 29th Sep 2021
Last Modified: N/A
QID#: 29,173,097

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Question 38

Primary 6 Math » 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 Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 29th Sep 2021
Last Modified: N/A
QID#: 29,173,099

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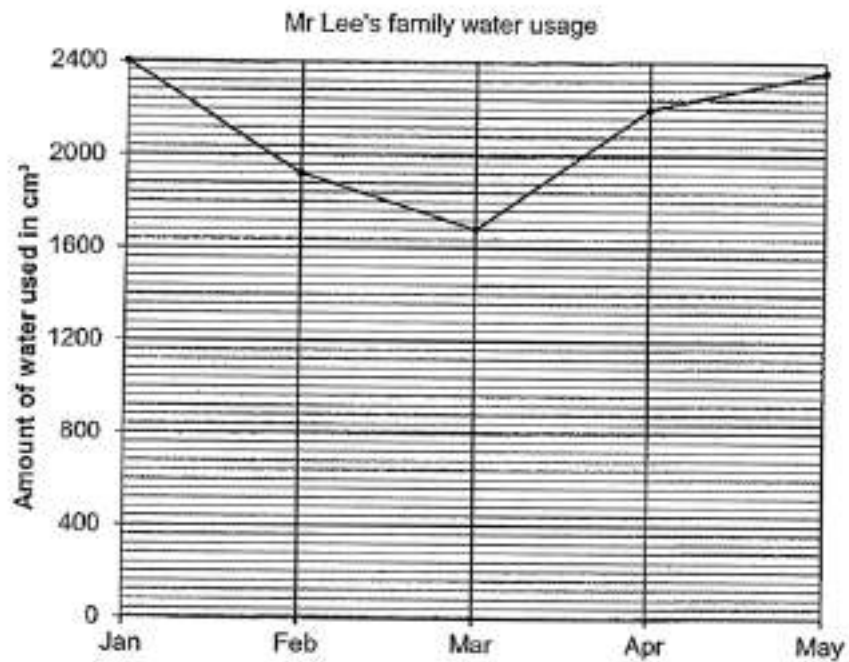
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Question 39

Primary 6 Math » 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 Type: Multiple Response
Randomize Answers: No
Grade style: Full points if all answers are correct
Date Added: Wed 29th Sep 2021
Last Modified: N/A
QID#: 29,173,103

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Question 40

Primary 6 Math » Primary 6 Math (Term 2)

1 pt

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

Accepted answers:

- ✓ 30%
- ✓ 30 %
- ✓ 30

Question Type: Free Text
Date Added: Wed 29th Sep 2021
Last Modified: N/A
QID#: 29,173,107

Correctly answered feedback

2400-1680=720
 %= 720/2400x100=30

Incorrectly answered feedback

2400-1680=720
 %= 720/2400x100=30

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Question 41

Primary 6 Math » 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?

Accepted answers:

- ✓ \$4.70
- ✓ \$ 4.70
- ✓ 4.70

Question Type: Free Text
Date Added: Wed 29th Sep 2021
Last Modified: N/A
QID#: 29,173,114

Correctly answered feedback

5.30-6pm=2.20
 after 6pm= 2.50 per entry
 total = 2.20+2.50=4.70

Incorrectly answered feedback

5.30-6pm=2.20
 after 6pm= 2.50 per entry
 total = 2.20+2.50=4.70

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

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Question 42

Primary 6 Math » 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?

Accepted answers:

- ✓ \$4
- ✓ \$ 4
- ✓ 4

Question Type: Free Text
Date Added: Wed 29th Sep 2021
Last Modified: N/A
QID#: 29,173,120

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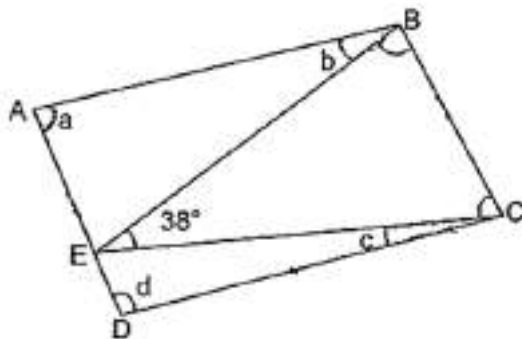
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Question 43

Primary 6 Math » Primary 6 Math (Term 2)

1 pt

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

**Accepted answers:**

- ✓ 218

Question Type: Free Text
Date Added: Wed 29th Sep 2021
Last Modified: N/A
QID#: 29,173,129

Correctly answered feedback

$$\begin{aligned} a+d &= 180 \\ x+y &= 180-38=142 \\ b+c &= 180-142=38 \\ a+b+c+d &= 180+38=218 \end{aligned}$$

Incorrectly answered feedback

$$\begin{aligned} a+d &= 180 \\ x+y &= 180-38=142 \\ b+c &= 180-142=38 \\ a+b+c+d &= 180+38=218 \end{aligned}$$

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

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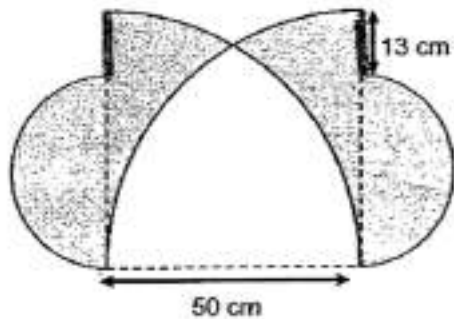
Question 44

Primary 6 Math » 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 $\pi = 3.14$



Accepted answers:

- ✓ 299.18cm
- ✓ 299.18 cm
- ✓ 299.18

Question Type: Free Text
Date Added: Wed 29th Sep 2021
Last Modified: N/A
QID#: 29,173,135

Correctly answered feedback

1 big semi $\rightarrow \frac{1}{2} \times \pi \times 50 = 50\pi$
 Diameter of 1 small semi $\rightarrow 50 - 13 = 37$
 1 small circle $\rightarrow \pi \times 37 = 37\pi$
 Peri of shaded $\rightarrow 50\pi + 37\pi + 13 + 13$
 $= 87\pi + 26 = 299.18\text{cm}$

Incorrectly answered feedback

1 big semi $\rightarrow \frac{1}{2} \times \pi \times 50 = 50\pi$
 Diameter of 1 small semi $\rightarrow 50 - 13 = 37$
 1 small circle $\rightarrow \pi \times 37 = 37\pi$
 Peri of shaded $\rightarrow 50\pi + 37\pi + 13 + 13$
 $= 87\pi + 26 = 299.18\text{cm}$

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

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Question 45

Primary 6 Math » 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?

Accepted answers:

- ✓ \$83.40
- ✓ \$ 83.40
- ✓ 83.40

Question Type: Free Text
Date Added: Wed 29th Sep 2021
Last Modified: N/A
QID#: 29,173,149

Correctly answered feedback

$3p = 126.80 - 70.90 = 45.90$
 Hannah's money left (1p) $= 45.90 \div 3 = 15.30$
 Dinner + taxi each paid (4u) $= 70.90 - 15.30 = 55.60$
 $1u = 55.60 \div 4 = 13.90$
 total for dinner(6u) $= 6 \times 13.90 = 83.40$

Incorrectly answered feedback

$3p = 126.80 - 70.90 = 45.90$
 Hannah's money left (1p) $= 45.90 \div 3 = 15.30$
 Dinner + taxi each paid (4u) $= 70.90 - 15.30 = 55.60$

$1u = 55.60 + 4 = 13.90$
 total for dinner(6u) = $6 \times 13.90 = 83.40$

Answers | Edit | Duplicate | Used In | Reorder

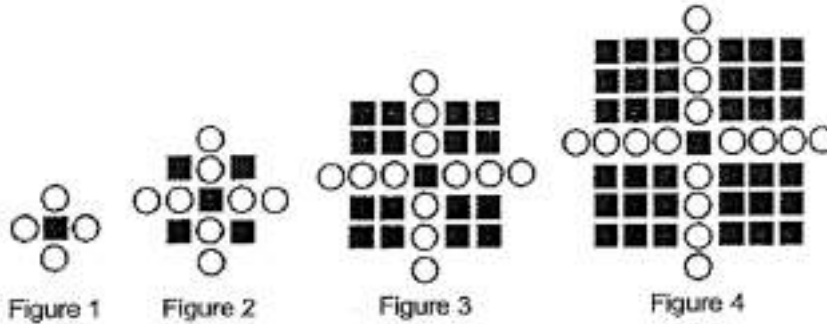
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Question 46

Primary 6 Math » 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	

Accepted answers:

- ✓ 20,65
- ✓ 20, 65
- ✓ 20 ,65
- ✓ 20 , 65

Question Type: Free Text
Date Added: Wed 29th Sep 2021
Last Modified: N/A
QID#: 29,173,155

Answers | Edit | Duplicate | Used In | Reorder

Remove From Test

Question 47

Primary 6 Math » 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?

Accepted answers:

✓ 2305

Question Type: Free Text
Date Added: Wed 29th Sep 2021
Last Modified: N/A
QID#: 29,173,160

Correctly answered feedback

$100 \div 4 = 25$
 $25 - 1 = 24$
 $24 \times 24 \times 4 \times 1 = 2305$

Incorrectly answered feedback

$100 \div 4 = 25$
 $25 - 1 = 24$
 $24 \times 24 \times 4 \times 1 = 2305$

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

[Remove From Test](#)**Question 48**

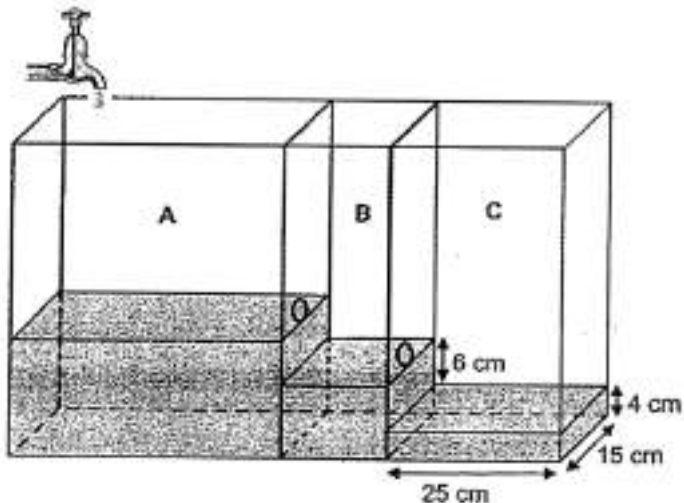
Primary 6 Math » Primary 6 Math (Term 2)

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?



Accepted answers:

- ✓ 10200cm³
- ✓ 10200 cm³
- ✓ 10200

Question Type: Free Text
Date Added: Wed 29th Sep 2021
Last Modified: Wed 29th Sep 2021
QID#: 29,173,166

Correctly answered feedback

Total water in A + B + C $\rightarrow 15 \times 0.93\ell = 13.95\ell = 13950\text{cm}^3$
 Total water in C $\rightarrow 25\text{cm} \times 15\text{cm} \times 4\text{cm} = 1500\text{cm}^3$
 Total water in B $\rightarrow 15\text{cm} \times 15\text{cm} \times (6\text{cm} + 4\text{cm}) = 2250\text{cm}^3$
 Total water in A $\rightarrow 13950\text{cm}^3 - 1500\text{cm}^3 - 2250\text{cm}^3 = 10200\text{cm}^3$

Incorrectly answered feedback

Total water in A + B + C $\rightarrow 15 \times 0.93\ell = 13.95\ell = 13950\text{cm}^3$
 Total water in C $\rightarrow 25\text{cm} \times 15\text{cm} \times 4\text{cm} = 1500\text{cm}^3$
 Total water in B $\rightarrow 15\text{cm} \times 15\text{cm} \times (6\text{cm} + 4\text{cm}) = 2250\text{cm}^3$
 Total water in A $\rightarrow 13950\text{cm}^3 - 1500\text{cm}^3 - 2250\text{cm}^3 = 10200\text{cm}^3$

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

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Question 49

Primary 6 Math » 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?

Accepted answers:

- ✓ 70%
- ✓ 70 %
- ✓ 70

Question Type: Free Text

Date Added: Wed 29th Sep 2021

Last Modified: N/A

QID#: 29,173,177

Correctly answered feedback

a) black end $\rightarrow \frac{75}{100} \times 40\% = 30\%$

after adding 89w

B : W
 40 : 60
 120 : 180

after adding 240w

30 : 70
 120 : 280

W end $\rightarrow \frac{280}{280+120} \times 100\% = 70\%$

Incorrectly answered feedback

$$\text{a) black end } \frac{75}{100} \times 40\% = 30\%$$

after adding 89w

$$\begin{array}{l} \text{B : W} \\ 40 : 60 \\ 120 : 180 \end{array}$$

after adding 240w

$$\begin{array}{l} 30 : 70 \\ 120 : 280 \end{array}$$

$$\text{W end } \frac{280}{280+120} \times 100\% = 70\%$$

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

[Remove From Test](#)

Question 50

Primary 6 Math » Primary 6 Math (Term 2)

1 pt

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

Accepted answers:

✓ 334

Question Type: Free Text
Date Added: Wed 29th Sep 2021
Last Modified: N/A
QID#: 29,173,181

Correctly answered feedback

b) After adding 98W

$$\begin{array}{l} \text{W : B} \\ 60 : 40 \\ 18 : 12 \end{array}$$

After adding another 240W

$$\begin{array}{l} 70 : 30 \\ 28 : 12 \end{array}$$

$$28u - 18u = 10u = 240$$

$$1u = 240 \div 10 = 24$$

$$18u = 18 \times 24 = 432$$

$$\text{W at first} = 432 - 98 = 334$$

Incorrectly answered feedback

b) After adding 98W

W : B
60 : 40
18 : 12

After adding another 240W

70 : 30
28 : 12

$$28u - 18u = 10u = 240$$

$$1u = 240 \div 10 = 24$$

$$18u = 18 \times 24 = 432$$

$$W \text{ at first} = 432 - 98 = 334$$

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

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Question 51

Primary 6 Math » 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?

Accepted answers:

✓ 4:12:21

Question Type: Free Text
Date Added: Wed 29th Sep 2021
Last Modified: N/A
QID#: 29,173,186

Correctly answered feedback

T:J
4:7
12:21

T:S
3:1
12:4

S:T:J
4:12:21

Incorrectly answered feedback

T:J
4:7
12:21

T:S
3:1
12:4

S:T:J
4:12:21

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

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Question 52

Primary 6 Math » Primary 6 Math (Term 2)

1 pt

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

Accepted answers:

✓ 162

Question Type: Free Text

Date Added: Wed 29th Sep 2021

Last Modified: N/A

QID#: 29,173,195

Correctly answered feedback

s end -> $4u \times 6 = 24u$
s received -> $24u - 4u = 20u = 5p$
 $1p = 20u \div 5 = 4u$
J end -> $21u - (3 \times 4u) = 9u$
T end -> $12u - (2 \times 4u) = 4u$
 $24u - (9u + 4u) = 11u = 198$
 $1u \rightarrow 198 \div 11 = 18$
J end -> $9u$
 $= 9 \times 18 = 162$

Incorrectly answered feedback

s end -> $4u \times 6 = 24u$
s received -> $24u - 4u = 20u = 5p$
 $1p = 20u \div 5 = 4u$
J end -> $21u - (3 \times 4u) = 9u$
T end -> $12u - (2 \times 4u) = 4u$
 $24u - (9u + 4u) = 11u = 198$
 $1u \rightarrow 198 \div 11 = 18$
J end -> $9u$
 $= 9 \times 18 = 162$

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

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Question 53

Primary 6 Math » 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?

Accepted answers:

✓ 40

Question Type: Free Text
Date Added: Wed 29th Sep 2021
Last Modified: Wed 29th Sep 2021
QID#: 29,173,200

Correctly answered feedback

$2u = \$19064 - \$2524 = \$16540$
 $1u \rightarrow \$16540 \div 2 = \8270 (\$ from T)
 Money from L $\rightarrow \$8270 + \$2524 = \$10794$
 Value of 1 for L $\rightarrow \$10794 \div 3 = \3598
 Value of 1 for T = $\$8270 \div 5 = \1654
 Diff in value of 1u $\rightarrow \$3598 - \$1654 = \$1944$
 No.item in each unit $\rightarrow \$1944 \div \$243 = 8$
 No.of sold $\rightarrow 8 \times 5 = 40$

Incorrectly answered feedback

$2u = \$19064 - \$2524 = \$16540$
 $1u \rightarrow \$16540 \div 2 = \8270 (\$ from T)
 Money from L $\rightarrow \$8270 + \$2524 = \$10794$
 Value of 1 for L $\rightarrow \$10794 \div 3 = \3598
 Value of 1 for T = $\$8270 \div 5 = \1654
 Diff in value of 1u $\rightarrow \$3598 - \$1654 = \$1944$
 No.item in each unit $\rightarrow \$1944 \div \$243 = 8$
 No.of sold $\rightarrow 8 \times 5 = 40$

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

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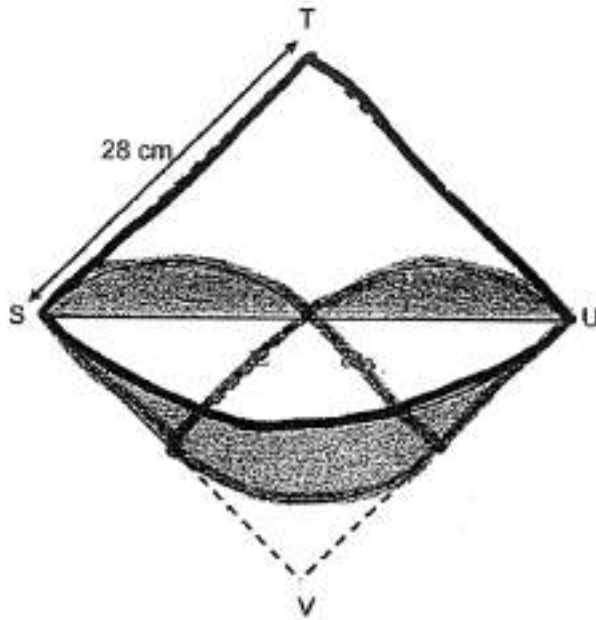
Question 54

Primary 6 Math » 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 $\pi = \frac{22}{7}$



Accepted answers:

- ✓ 238cm²
- ✓ 238 cm²
- ✓ 238

Question Type: Free Text

Date Added: Wed 29th Sep 2021

Last Modified: N/A

QID#: 29,173,210

Correctly answered feedback

radius of 1 quadrant $\rightarrow 28\text{cm} \div 2 = 14\text{cm}$

area of big quadrant $\rightarrow \frac{1}{4} \times \frac{22}{7} \times 28 \times 28 = 616$

area of unshaded hump $\rightarrow 616 - (\frac{1}{2} \times 28 \times 28) = 224$

3 small quad $\rightarrow \frac{3}{4} \times \frac{22}{7} \times 14 \times 14 = 462$

Shaded parts $\rightarrow 462\text{cm}^2 - 224\text{cm}^2 = 238\text{cm}^2$

Incorrectly answered feedback

radius of 1 quadrant $\rightarrow 28\text{cm} \div 2 = 14\text{cm}$

area of big quadrant $\rightarrow \frac{1}{4} \times \frac{22}{7} \times 28 \times 28 = 616$

area of unshaded hump $\rightarrow 616 - (\frac{1}{2} \times 28 \times 28) = 224$

3 small quad $\rightarrow \frac{3}{4} \times \frac{22}{7} \times 14 \times 14 = 462$

Shaded parts $\rightarrow 462\text{cm}^2 - 224\text{cm}^2 = 238\text{cm}^2$

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Question 55

Primary 6 Math » 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.

Accepted answers:

- ✓ \$14000
- ✓ \$ 14000
- ✓ 14000

Question Type: Free Text
Date Added: Wed 29th Sep 2021
Last Modified: N/A
QID#: 29,173,224

Correctly answered feedback

No. of A tickets = $\$5992 \div 14 = 428$
 Amt collected from A = $428 \times 32 = 13696 \sim 14000$

Incorrectly answered feedback

No. of A tickets = $5992 \div 14 = 428$
Amt collected from A = $428 \times 32 = 13696 \sim 14000$

 Answers |  Edit |  Duplicate |  Used In |  Reorder

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