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Primary 6 Math (Term 4) - Nanyang

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Test Introduction

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55 Questions   (95 Points)   **Question Bank:** 12,655 Questions

Test Questions	0 Test Assignments

Question 1   *Primary 6 Math* » Primary 6 Math (Prelim)   1 pt

Each question carries 1 mark. For each question, four options are given. One of them is the correct answer. (20 marks)

Round 1789 to nearest hundred.

  A. 1700

  B. 1790

✔ **C.** 1800

  D. 2000

Question Type:	*Multiple Choice*
Randomize Answers:	*No*
Date Added:	*Mon 2nd Aug 2021*
Last Modified:	*N/A*
QID#:	*28,593,849*

↗ Answers | ✏ Edit | 📋 Duplicate | ➤ Used In | ⇕ Reorder   Remove From Test

Question 2   *Primary 6 Math* » Primary 6 Math (Prelim)   1 pt

In the diagram below, the letters M, A, T and H are drawn on a square grid.

Which letter has both parallel lines and perpendicular lines?

A. M

B. A

C. T

✓ **D.** H

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Mon 2nd Aug 2021
Last Modified: N/A
QID#:   28,593,837

⤢ Answers | ✎ Edit | ⧉ Duplicate | ➤ Used In | ⇕ Reorder   Remove From Test
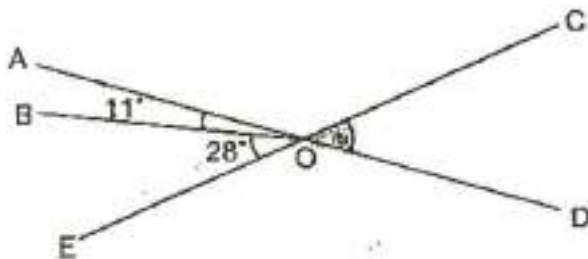
Question 3

Primary 6 Math » Primary 6 Math (Prelim)   1 pt

In the figure below, AOD and COE are straight lines. ∠AOB = 11° and ∠BOE = 28°. Find ∠COD.

A. 17°

B. 28°

✓ **C.** 39°

D.

141°

Question Type: *Multiple Choice*
Randomize Answers: *No*
Date Added: *Mon 2nd Aug 2021*
Last Modified: *N/A*
QID#:   *28,593,838*

↗ Answers | ✎ Edit | ⧉ Duplicate | ➤ Used In | ⇕ Reorder   Remove From Test
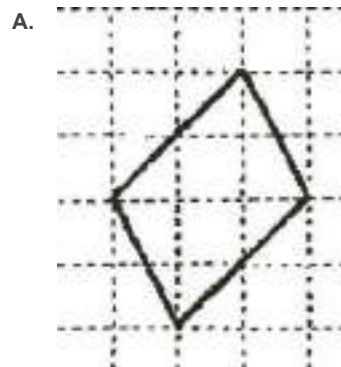

Question 4   *Primary 6 Math* » Primary 6 Math (Prelim)   1 pt

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In the square grid below, which shape is a rhombus?
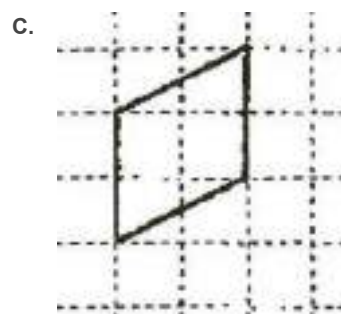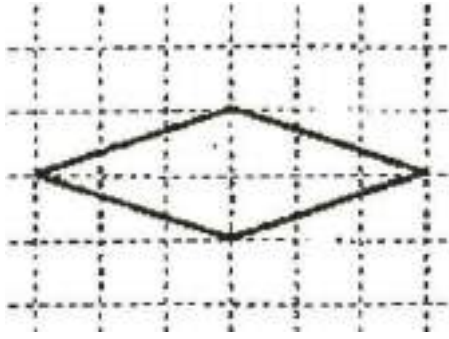
A.

B.

C.

✔ **D.**

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Mon 2nd Aug 2021
Last Modified: N/A
QID#:   28,593,839

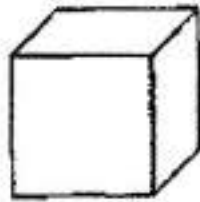⤢ Answers | ✏ Edit | ⧉ Duplicate | ➹ Used In | ⇕ Reorder   Remove From Test

Question 5

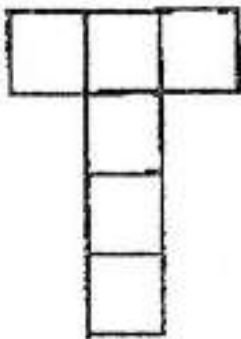*Primary 6 Math* » Primary 6 Math (Prelim)   1 pt
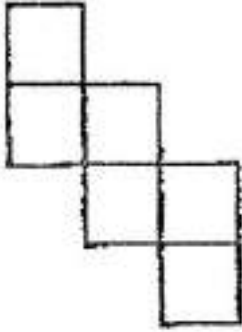
The figure below shows a cube.
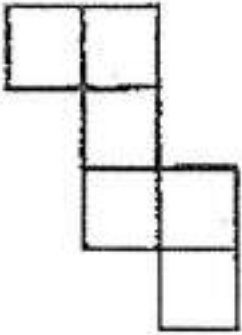

Which of the following is not a net of the cube?

A.

B.

C.

✓ **D.**
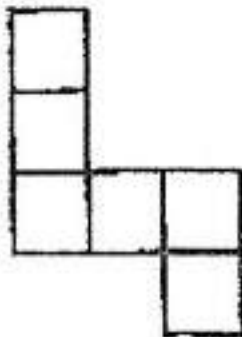
Question Type:	*Multiple Choice*
Randomize Answers:	*No*
Date Added:	*Mon 2nd Aug 2021*
Last Modified:	*N/A*
QID#:	*28,593,840*

⤢ Answers | ✎ Edit | ⧉ Duplicate | ➤ Used In | ⬍ Reorder   Remove From Test

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Question 6

Primary 6 Math » Primary 6 Math (Prelim)   1 pt

The pie chart below shows how Joseph spent his time on a Saturday.

He spent an equal amount of time on eating and doing homework.
Which bar graph best represents the information in the pie chart?

A.
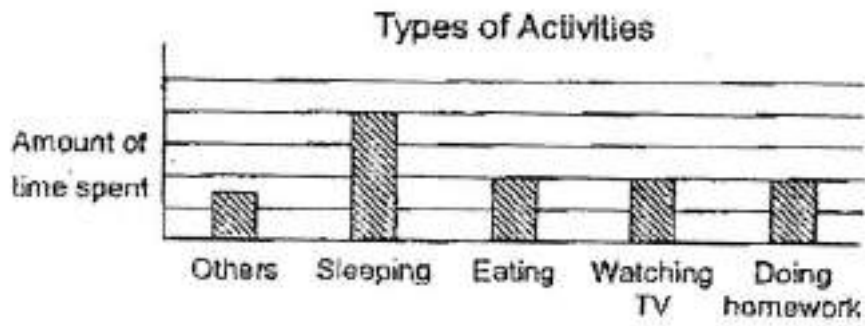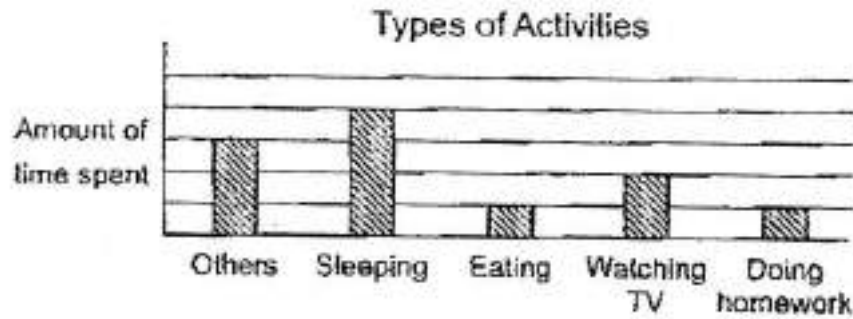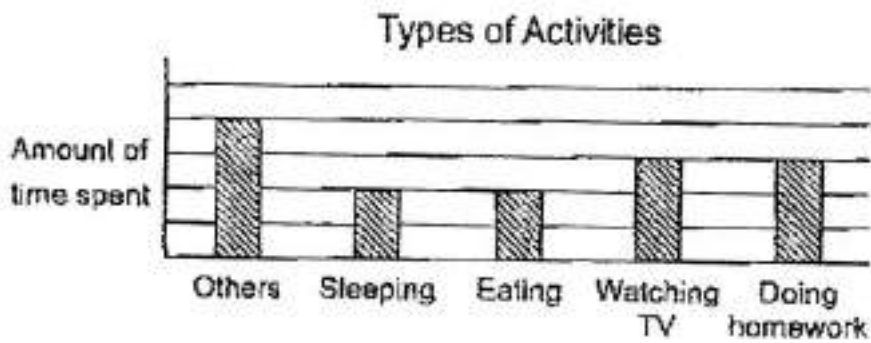
Types of Activities

Amount of time spent

Others   Sleeping   Eating   Watching TV   Doing homework

B.

Types of Activities

✓ C.

Types of Activities

D.

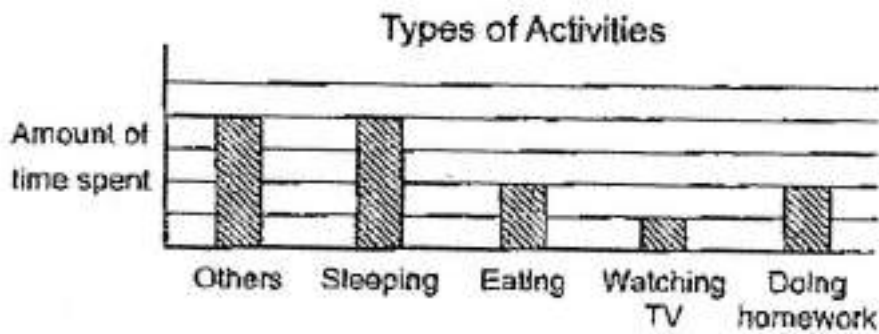Types of Activities

Question Type:	*Multiple Choice*
Randomize Answers:	*No*
Date Added:	*Mon 2nd Aug 2021*
Last Modified:	*N/A*
QID#:	*28,593,841*

↗ Answers | ✎ Edit | ⧉ Duplicate | ➤ Used In | ⇕ Reorder   Remove From Test

Question 7   *Primary 6 Math* » Primary 6 Math (Prelim)   2 pts

Arrange the following fractions from the largest to the smallest.

$$\frac{2}{7}, \quad \frac{1}{5}, \quad \frac{4}{9}, \quad \frac{2}{11}$$

A.

| Largest | | | Smallest |

$$\frac{1}{5}, \quad \frac{2}{7}, \quad \frac{4}{9}, \quad \frac{2}{11}$$

B.

$$\frac{2}{11}, \quad \frac{1}{5}, \quad \frac{2}{7}, \quad \frac{4}{9}$$

C.

$$\frac{4}{9}, \quad \frac{2}{11}, \quad \frac{2}{7}, \quad \frac{1}{5}$$

✓ D.

$$\frac{4}{9}, \quad \frac{2}{7}, \quad \frac{1}{5}, \quad \frac{2}{11}$$

Question Type:	Multiple Choice
Randomize Answers:	No
Date Added:	Mon 2nd Aug 2021
Last Modified:	N/A
QID#:	28,593,842

⤢ Answers | ✎ Edit | ⎘ Duplicate | ➤ Used In | ⇕ Reorder   Remove From Test

Question 8

Primary 6 Math » Primary 6 Math (Prelim)   2 pts

Brian and Charles had some stickers. At first, the number of stickers Brian had was $\frac{4}{7}$ of the total number of stickers. Then, Brian sold $\frac{3}{8}$ of his stickers. Find the ratio of the number of stickers Brian had at the end to the number of stickers Charles had at the end.

- A. 1:03
- B. 1:07
- C. 5:06
- ✔ D. 5:14

Question Type:	Multiple Choice
Randomize Answers:	No
Date Added:	Mon 2nd Aug 2021
Last Modified:	N/A
QID#:	28,593,843

↗ Answers | ✎ Edit | ⎘ Duplicate | ➤ Used In | ⇕ Reorder   Remove From Test
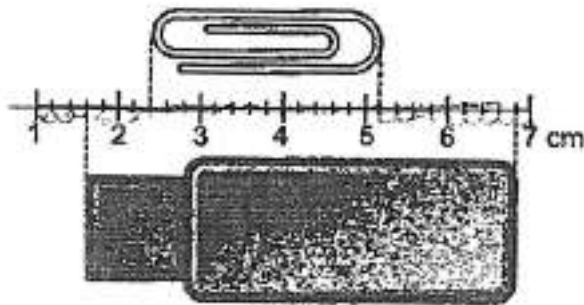
Question 9

Primary 6 Math » Primary 6 Math (Prelim)   2 pts

A thumb drive and a paper clip are placed next to a scale. Find the difference in their lengths.

- A. 1.2 cm
- B. 1.6 cm
- C. 2.2 cm
- ✔ D. 2.4 cm

Question Type:	Multiple Choice
Randomize Answers:	No
Date Added:	Mon 2nd Aug 2021
Last Modified:	N/A

QID#:   28,593,844

Question 10
Primary 6 Math » Primary 6 Math (Prelim)   2 pts

The square grid below shows the map of a park and its landmarks.   The slide is north of the tent.
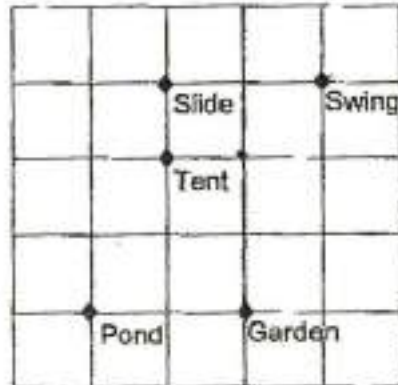
Suresh is standing at a location north of the garden and south-west of the swing.   He is facing the pond.   Which landmark will he be facing when he turns 45° clockwise?

✓ **A.**   Tent

B.   Slide

C.   Swing

D.   Garden

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Mon 2nd Aug 2021
Last Modified: N/A
QID#:   28,593,845

Question 11
Primary 6 Math » Primary 6 Math (Prelim)   2 pts

A and B are whole numbers.   A has exactly 2 factors.   B has exactly 4 factors.   C is the product of A and B.   At least how many factors does C have?

A. 5

✓ B. 6

C. 8

D. 4

Question Type:	Multiple Choice
Randomize Answers:	No
Date Added:	Mon 2nd Aug 2021
Last Modified:	N/A
QID#:	28,593,846

⤢ Answers | ✏ Edit | ⧉ Duplicate | ➢ Used In | ⇕ Reorder   Remove From Test

Question 12   *Primary 6 Math* » Primary 6 Math (Prelim)   1 pt

Which digit in 31.902 is in the tenths place?

A. 1

B. 0

C. 3

✓ D. 9

Question Type:	Multiple Choice
Randomize Answers:	No
Date Added:	Mon 2nd Aug 2021
Last Modified:	N/A
QID#:	28,593,850

⤢ Answers | ✏ Edit | ⧉ Duplicate | ➢ Used In | ⇕ Reorder   Remove From Test
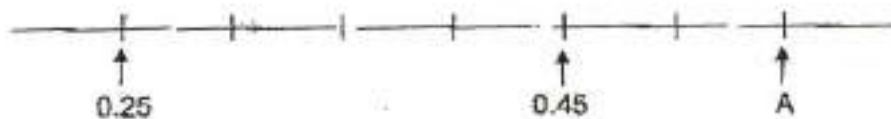
Question 13   *Primary 6 Math* » Primary 6 Math (Prelim)   1 pt

In the number line below, what is the value of A?

A. 0.5

✓ B. 0.55

C. 0.8

D. 0.65

Question Type: *Multiple Choice*
Randomize Answers: *No*
Date Added: *Mon 2nd Aug 2021*
Last Modified: *N/A*
QID#:   *28,593,851*

↗ Answers | ✎ Edit | ⧉ Duplicate | ➹ Used In | ⇅ Reorder   Remove From Test

Question 14

Primary 6 Math » Primary 6 Math (Prelim)   1 pt

Find the value of 18 - 2p + 2 x 3p when p = 4.

✔ **A.**   34

B.   2

C.   96

D.   144

Question Type: *Multiple Choice*
Randomize Answers: *No*
Date Added: *Mon 2nd Aug 2021*
Last Modified: *N/A*
QID#:   *28,593,852*

↗ Answers | ✎ Edit | ⧉ Duplicate | ➹ Used In | ⇅ Reorder   Remove From Test

Question 15

Primary 6 Math » Primary 6 Math (Prelim)   1 pt

Which one of the following is likely to be the length of a school bus?

A.   1.2 m

✔ **B.**   12 m

C.   120 m

D.   1200 m

Question Type: *Multiple Choice*
Randomize Answers: *No*
Date Added: *Mon 2nd Aug 2021*
Last Modified: *N/A*
QID#:   *28,593,853*

↗ Answers | ✎ Edit | ⧉ Duplicate | ➹ Used In | ⇅ Reorder   Remove From Test

Question 16

Primary 6 Math » Primary 6 Math (Prelim)   0 pts

Farid had (4k + 6) pencils.   He bought another k pencils and packed all the pencils equally into 3 boxes.   How many pencils were there in each box?   Give your answer in terms of k in the simplest form.

(2 marks)

This question is designed for extended answers that parent/ teacher will have to assign and guide child to attempt after the test has been completed.

Grading: This question type is not graded on this system and will not affect the final score as it was designed in such a way that it requires manual assistance.

Question Type: Essay
Date Added: Mon 2nd Aug 2021
Last Modified: N/A
QID#:   28,593,858

Correctly answered feedback

$$(4k + 6) + k = (5k + 6)$$

$$(5k + 6) \div 3 = \left(\frac{5k+6}{3}\right)$$

$$\text{Ans: } \left(\frac{5k+6}{3}\right)$$

Incorrectly answered feedback

$$(4k + 6) + k = (5k + 6)$$

$$(5k + 6) \div 3 = \left(\frac{5k+6}{3}\right)$$

$$\text{Ans: } \left(\frac{5k+6}{3}\right)$$

⤢ Answers | ✎ Edit | ⎘ Duplicate | ⏴ Used In | ⇕ Reorder   Remove From Test
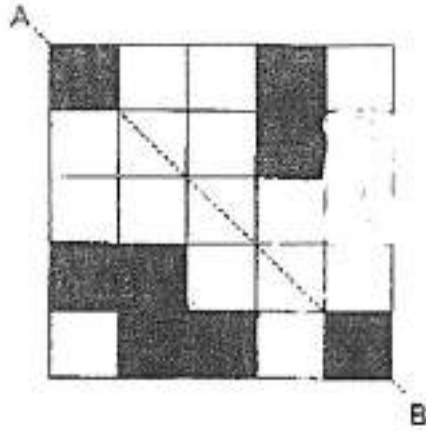
Question 17

Primary 6 Math » Primary 6 Math (Prelim)   0 pts

There are 8 shaded squares in the figure below.   Shade 2 more squares
to form a symmetric figure with AB as the line of symmetry.


(1 mark)

This question is designed for extended answers that parent/ teacher will have to assign and guide child to attempt after the test has been completed.

Grading: This question type is not graded on this system and will not affect the final score as it was designed in such a way that it requires manual assistance.

Question Type: *Essay*
Date Added: *Mon 2nd Aug 2021*
Last Modified: *N/A*
QID#:   *28,593,859*

Correctly answered feedback
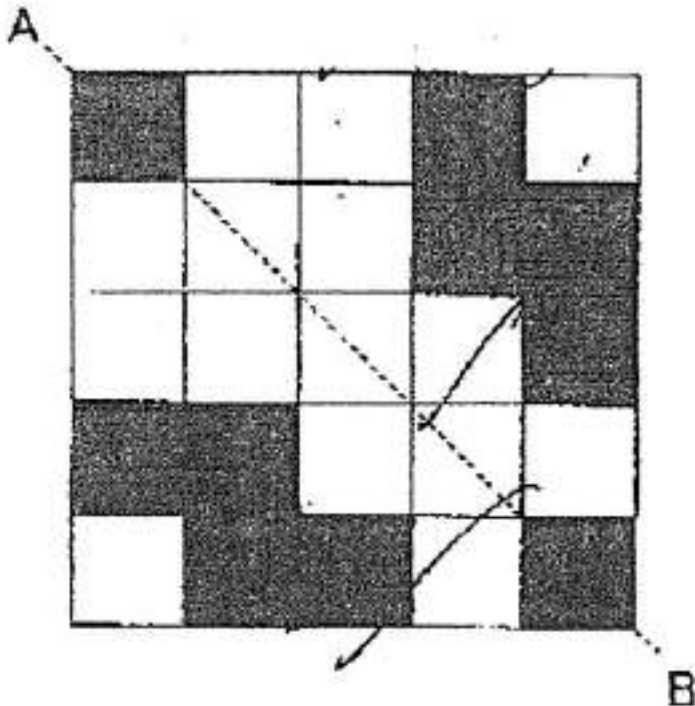
Incorrectly answered feedback
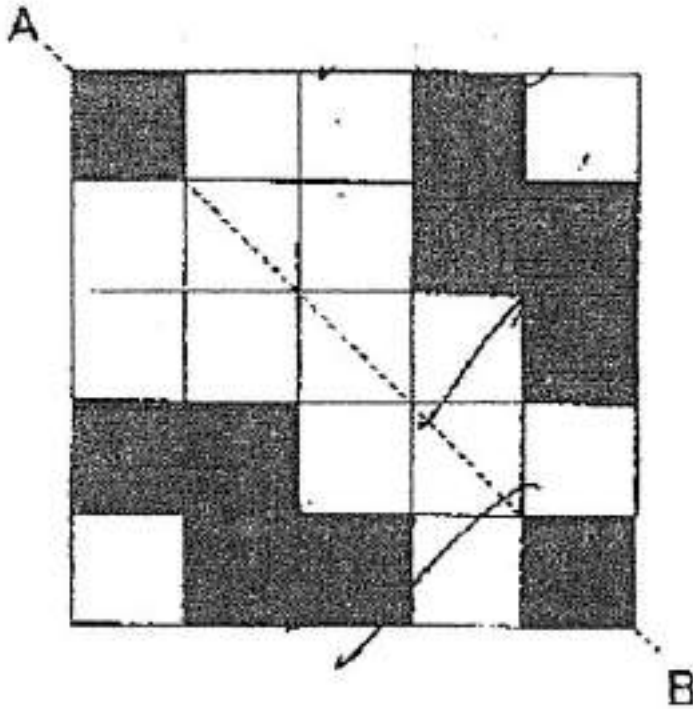
↗ Answers | ✎ Edit | ⎘ Duplicate | ➤ Used In | ⇕ Reorder   Remove From Test

Question 18

Primary 6 Math » Primary 6 Math (Prelim)   2 pts

A, B and C are different 2-digit numbers. Their average is 30. Find the greatest possible difference between B and C.

Accepted answers:

✔ 59

Question Type: Free Text
Date Added: Mon 2nd Aug 2021
Last Modified: N/A
QID#:   28,593,860

Correctly answered feedback

30 x 3 = 90
90 - 10 - 11 = 69
69 - 10 = 59
Ans: 59

Incorrectly answered feedback

30 x 3 = 90
90 - 10 - 11 = 69

69 - 10 = 59
Ans: 59

↗ Answers | ✎ Edit | 🗐 Duplicate | ✈ Used In | ⇕ Reorder   Remove From Test

Question 19   *Primary 6 Math* » Primary 6 Math (Prelim)   1 pt

Jane has $31.70. She has $0.50 less than Bala. Mr Ten has 10 times as much money as Jane.

How much money does Bala have?

Accepted answers:

✔ $32.20

✔ $32 .20

✔ $32 . 20

✔ $ 32. 20

✔ $ 32 .20

✔ $ 32 . 20

✔ 32.2

✔ 32 .20

✔ 32 . 20

✔ 32. 20

Question Type: Free Text
Date Added: Mon 2nd Aug 2021
Last Modified: N/A
QID#:   28,593,894

Correctly answered feedback

$31.70 + $0.50 = $32.20

Incorrectly answered feedback

$31.70 + $0.50 = $32.20

↗ Answers | ✎ Edit | 🗐 Duplicate | ✈ Used In | ⇕ Reorder   Remove From Test

Question 20   *Primary 6 Math* » Primary 6 Math (Prelim)   1 pt

Jane has $31.70. She has $0.50 less than Bala. Mr Tan has 10 times as much money as Jane.

How much money does Mr Tan have?

Accepted answers:

$317

✓

✓ 317

Question Type: *Free Text*
Date Added: *Mon 2nd Aug 2021*
Last Modified: *N/A*
QID#:   *28,593,861*

Correctly answered feedback

$31.70 x 10 = $317

Incorrectly answered feedback

$31.70 x 10 = $317

⤢ Answers | ✎ Edit | ⧉ Duplicate | ➤ Used In | ⇕ Reorder   Remove From Test

Question 21   *Primary 6 Math* » Primary 6 Math (Prelim)   2 pts

This year, ABC Sports Club had 150 members. Last year, it had 120 members. Find the percentage increase in the number of members this year.

Accepted answers:

✓ 25%

✓ 25

Question Type: *Free Text*
Date Added: *Mon 2nd Aug 2021*
Last Modified: *N/A*
QID#:   *28,593,862*

Correctly answered feedback

$$\frac{30}{120} \times 100 = 25$$

$$150 - 120 = 30$$

Ans: 25%

Incorrectly answered feedback

$$\frac{30}{120} \times 100 = 25$$

$$150 - 120 = 30$$

Ans: 25%

↗ Answers | ✎ Edit | ⧉ Duplicate | ➤ Used In | ⇅ Reorder   Remove From Test

Question 22   *Primary 6 Math* » Primary 6 Math (Prelim)   2 pts

Jake has $y. Kyra has $(y + 14) more than Jake. Kyra has $68. How much money does Jake have?

Accepted answers:

✔ $27

✔ 27

Question Type: Free Text
Date Added: Mon 2nd Aug 2021
Last Modified: N/A
QID#:   28,593,863

Correctly answered feedback

$y + $(y + 14) = $(2y + 14)

$68 - $14 = $54

$54 ÷ 2 = $27

Ans; $27

Incorrectly answered feedback

$y + $(y + 14) = $(2y + 14)

$68 - $14 = $54

$54 ÷ 2 = $27

Ans; $27

⠀⠀Answers | ✎ Edit | ⎘ Duplicate | ✈ Used In | ⇅ Reorder   Remove From Test

Question 23

Primary 6 Math » Primary 6 Math (Prelim)   3 pts

Rectangular tanks A and B contained some water.   The height of the water level in tank A was equal to that in tank B at first.   Tank A had a base area of 3400 cm² and Tank B had a base area of 850 cm².
8500 cm³ of water was poured out from Tank B and the height of the water level decreased by 40% in Tank B.
Some water was added into Tank A and the height of the water level increased by 80% in Tank A.

Find the total amount of water in the two tanks in the end.

Accepted answers:

✓ 165750

✓ 165 750

✓ 165,750

✓ 165, 750

✓ 165 ,750

✓ 165 , 750

Question Type: *Free Text*
Date Added: Mon 2nd Aug 2021
Last Modified: N/A
QID#:   28,593,871

Correctly answered feedback

40% of B = 8500
100% of B = (8500 / 40) x 100 = 21250
60% of B = (8500 / 40) x 60 = 12750
21250 / 850 = 25
25 x 3400 = 85000
85000 / 100 x 180 = 15300
12750 + 153 = 165750

Incorrectly answered feedback

40% of B = 8500
100% of B = (8500 / 40) x 100 = 21250
60% of B = (8500 / 40) x 60 = 12750
21250 / 850 = 25
25 x 3400 = 85000
85000 / 100 x 180 = 15300
12750 + 153 = 165750

⤢ Answers | ✏ Edit | ⧉ Duplicate | ➤ Used In | ⇕ Reorder   Remove From Test

Question 24

Primary 6 Math » Primary 6 Math (Prelim)   2 pts

Rectangular tanks A and B contained some water.   The height of the water level in tank A was equal to that in tank B at first.   Tank A had a base area of 3400 cm² and Tank B had a base area of 850 cm².
8500 cm³ of water was poured out from Tank B and the height of the water level decreased by 40% in Tank B.
Some water was added into Tank A and the height of the water level increased by 80% in Tank A.

Some water was then transferred from Tank A to Tank B without spilling until the height of the water level in both tanks was the same again.   What was the height of the new water level in each tank?

Accepted answers:

✔ 39

✔ 39 cm

✔ 39cm

Question Type: Free Text
Date Added: Mon 2nd Aug 2021
Last Modified: N/A
QID#: 28,593,878

Correctly answered feedback

165750 / (3400 + 850) = 39

Incorrectly answered feedback

165750 / (3400 + 850) = 39

⤢ Answers | ✏ Edit | ⧉ Duplicate | ➤ Used In | ⇕ Reorder   Remove From Test

Question 25

Primary 6 Math » Primary 6 Math (Prelim)   1 pt

Ze Hui had 24 marbles at first.   He gave 6 marbles to his brother.   What fraction of his marbles did he give to his brother?   Express your answer as a fraction in its simplest form.

Accepted answers:

✔ 1-Apr

Question Type: Free Text
Date Added: Mon 2nd Aug 2021
Last Modified: N/A
QID#:   28,593,865

Correctly answered feedback

$$\frac{6}{24} = \frac{1}{4}$$

Ans: $\frac{1}{4}$

Incorrectly answered feedback

$$\frac{6}{24} = \frac{1}{4}$$

Ans: $\frac{1}{4}$

✎ Answers | ✏ Edit | ⧉ Duplicate | ➤ Used In | ⇕ Reorder   Remove From Test
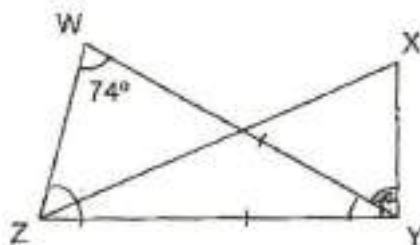
Question 26   *Primary 6 Math* » Primary 6 Math (Prelim)   2 pts

In the figure below, WZY and XYZ are triangles. $\angle$ YWZ = 74°, $\angle$XYZ = 90° and WY = YZ.   Find $\angle$WYX.

Accepted answers:

✔ 58 degrees

✔ 58 degree

✔ 58

Question Type: Free Text
Date Added: Mon 2nd Aug 2021
Last Modified: N/A
QID#:   28,593,866

Correctly answered feedback

$180^o - 70^o - 70^o = 32^o$
$90^o - 32^o = 58^o$
Ans: 58°

Incorrectly answered feedback

$180^o - 70^o - 70^o = 32^o$
$90^o - 32^o = 58^o$
Ans: 58°

↗ Answers | ✎ Edit | ⎘ Duplicate | ➤ Used In | ⇅ Reorder   Remove From Test
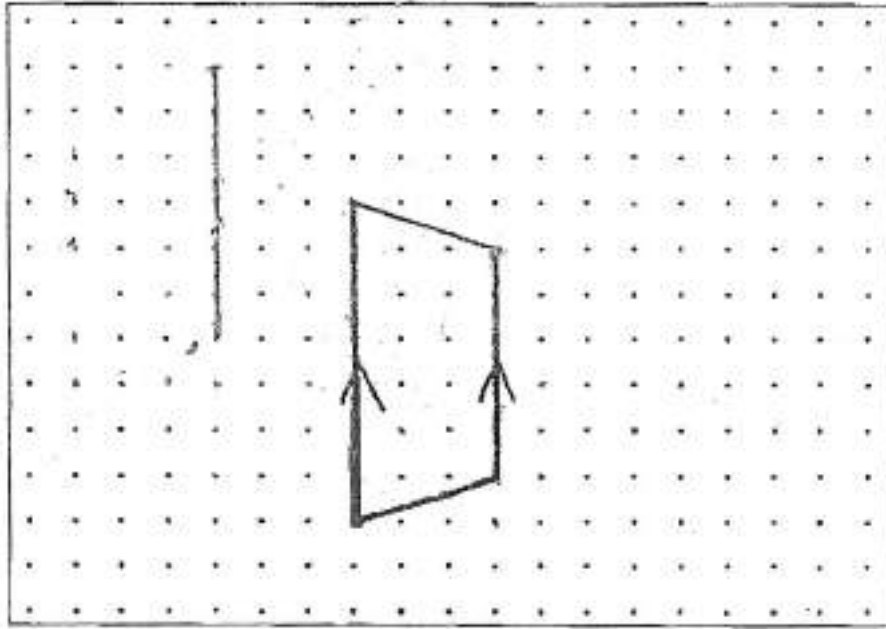
Question 27

Primary 6 Math » Primary 6 Math (Prelim)   0 pts

In the square grid below, two sides of a parallelogram have been drawn.
Each side is drawn by joining dots on the square grid with a straight line.
In the same way.

i) complete the drawing of the parallelogram

ii) draw a trapezium in the square grid with the same perimeter as the parallelogram such that it does not overlap with the parallelogram.

(2 marks)

This question is designed for extended answers that parent/ teacher will have to assign and guide child to attempt after the test has been completed.

Grading: This question type is not graded on this system and will not affect the final score as it was designed in such a way that it requires manual assistance.

Question Type: Essay
Date Added: Mon 2nd Aug 2021
Last Modified: N/A
QID#:   28,593,857

Correctly answered feedback
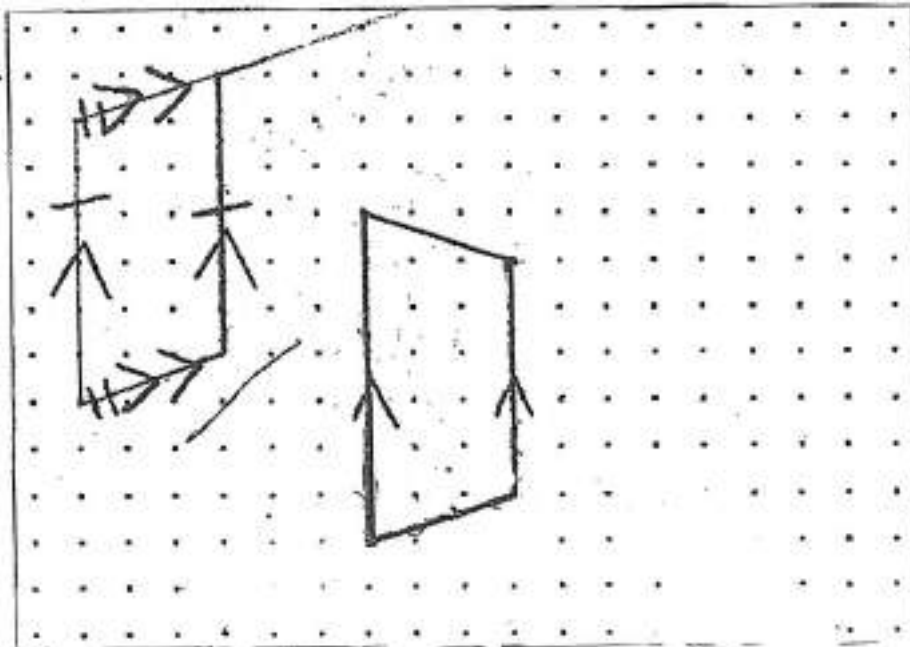
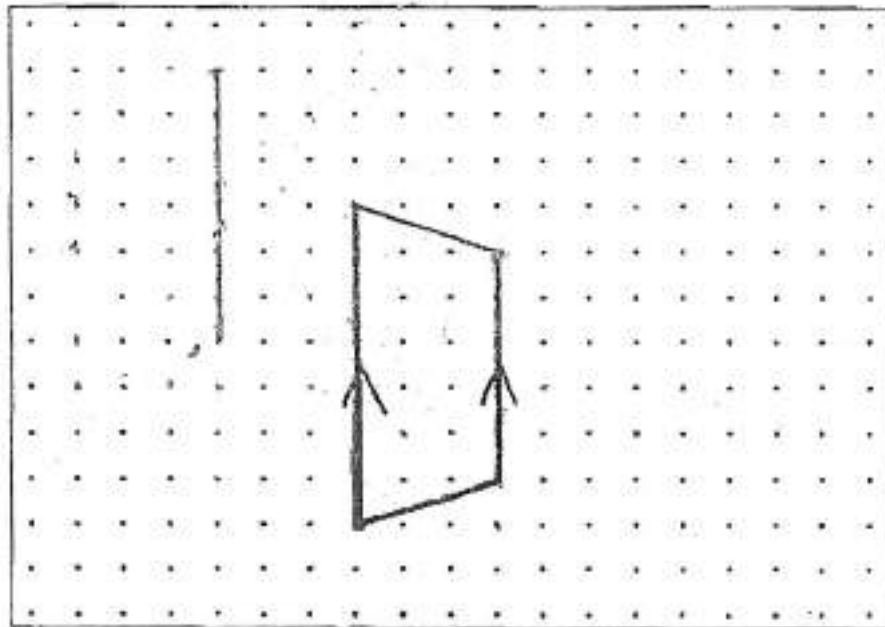*Incorrectly answered feedback*
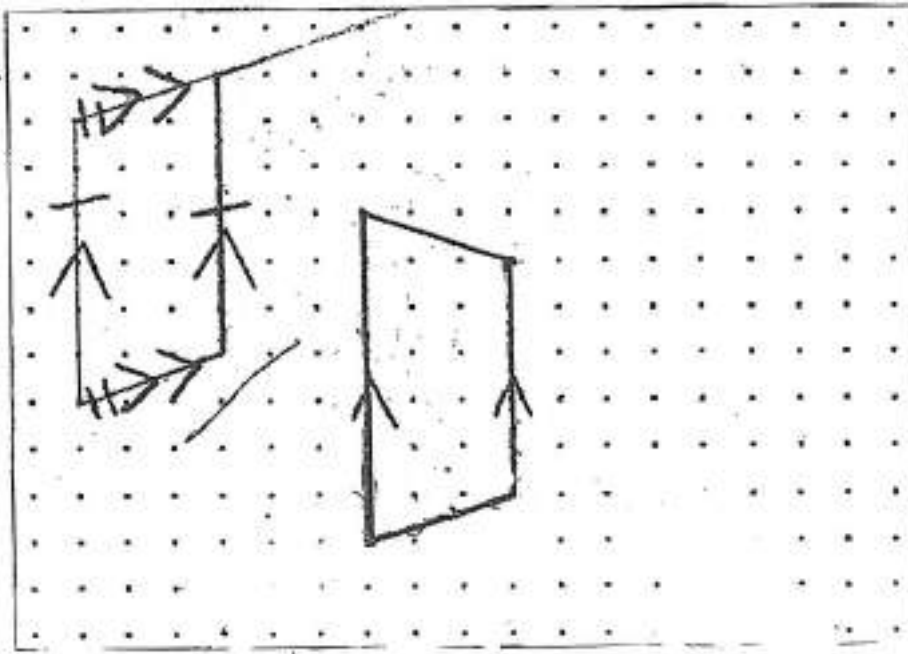
⤢ Answers | ✎ Edit | ⎙ Duplicate | ➤ Used In | ⇕ Reorder   Remove From Test

Question 28

Primary 6 Math » Primary 6 Math (Prelim)   1 pt

Measure and write down the size of an obtuse angle in the parallelogram.

Accepted answers:

✓ 108 degrees

✓ 108 Degree

Question Type: Free Text
Date Added: Mon 2nd Aug 2021
Last Modified: N/A
QID#:   28,593,867

> **Correctly answered feedback**
>
> 108°

> **Incorrectly answered feedback**
>
> 108°

⤢ Answers | ✎ Edit | ⧉ Duplicate | ➤ Used In | ⇅ Reorder   Remove From Test
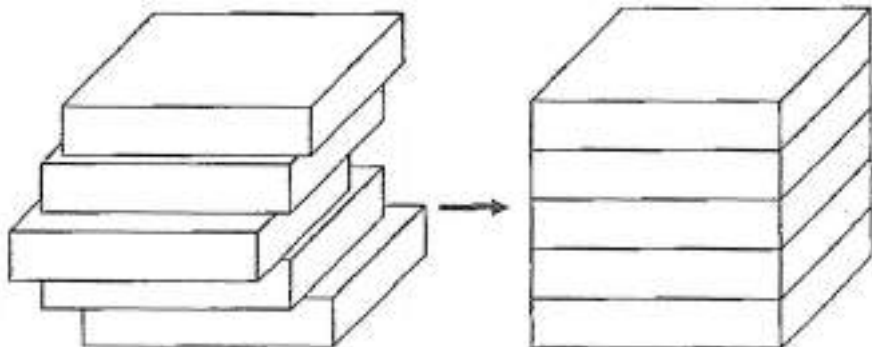
Question 29   *Primary 6 Math* » Primary 6 Math (Prelim)   4 pts

Jonathan had five identical cuboids.   The volume of each cuboid is
675 cm³. He stacked the five cuboids on top of one another neatly to
form a big cube as shown below.

He then took one of the five cuboids and dipped it into a pail of red
paint.   Find the area of the cuboid that was painted red.

Accepted answers:

✔ 630

✔ 630 cm square

✔ 630cm square

Question Type: Free Text
Date Added: Mon 2nd Aug 2021
Last Modified: N/A
QID#:   28,593,868

Correctly answered feedback

$675 \times 5 = 3375$

$\sqrt[3]{3375} = 15$

$15 \div 5 = 3$

$675 \div 3 = 225$

$3 \times 15 = 45$

$45 \times 4 = 180$

$15 \times 15 = 225$

$225 \times 2 = 450$

$450 + 180 = 630$

Incorrectly answered feedback

$675 \times 5 = 3375$

$\sqrt[3]{3375} = 15$

$15 \div 5 = 3$

$675 \div 3 = 225$

$3 \times 15 = 45$

$45 \times 4 = 180$

$15 \times 15 = 225$

$225 \times 2 = 450$

$450 + 180 = 630$

↗ Answers | ✎ Edit | ⎘ Duplicate | ➤ Used In | ⇕ Reorder   Remove From Test

Question 30

Primary 6 Math » Primary 6 Math (Prelim)   2 pts

The table below shows the carpark charges for a shopping mall.

CARPARK CHARGES	
7 a.m. to 6 p.m.	$0.60 for every 30 min

Mr Raj parked his car from 8.30 a.m. to 12 noon in the shopping mall.
How much did he pay?

Accepted answers:

✔ $4.20

✔ $4. 20

✔ $4 .20

✔ $4 . 20

✔ $ 4 .20

✔ $ 4. 20

✔ $ 4 . 20

✔ 4.2

✔ 4 .20

✔ 4. 20

✔ 4 . 20

Question Type: Free Text
Date Added: Mon 2nd Aug 2021
Last Modified: N/A
QID#:   28,593,869

Correctly answered feedback

8.30 am to 12 am = 3hrs 30 mins
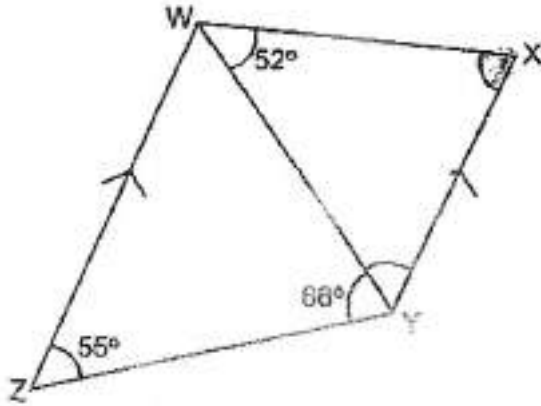7 x $0.60 = $4.20

Incorrectly answered feedback

8.30 am to 12 am = 3hrs 30 mins
7 x $0.60 = $4.20

⤢ Answers | ✎ Edit | ⎘ Duplicate | ➤ Used In | ⇕ Reorder   Remove From Test

Question 31

Primary 6 Math » Primary 6 Math (Prelim)   2 pts

In the figure below, WXYZ is a trapezium.   WZ is parallel to XY.
∠XWY = 52º, ∠WYZ = 66º and ∠WZY = 55º.   Find ∠WXY.

Accepted answers:

✓ 69 degree

✓ 69 degrees

✓ 69

Question Type:	Free Text
Date Added:	Mon 2nd Aug 2021
Last Modified:	N/A
QID#:	28,593,870

Correctly answered feedback

180º - 55º - 66º = 59º
59º + 52º = 111º
180º - 111º = 69º
Ans: 69º

Incorrectly answered feedback

180º - 55º - 66º = 59º
59º + 52º = 111º
180º - 111º = 69º
Ans: 69º

⤢ Answers | ✏ Edit | 🗐 Duplicate | ➹ Used In | ⇕ Reorder   Remove From Test

Question 32

Primary 6 Math » Primary 6 Math (Prelim)   2 pts

Jerry had 110 buns. He ate 2 buns and packed the remaining buns equally into 6 packets. How many
buns were there in each packet?

Accepted answers:

✓ 18

✓ 18 buns

Question Type: Free Text
Date Added: Mon 2nd Aug 2021
Last Modified: N/A
QID#:   28,593,872

> **Correctly answered feedback**
>
> 110 - 2 = 108
> 108 / 6 = 18
> Ans: 18

> **Incorrectly answered feedback**
>
> 110 - 2 = 108
> 108 / 6 = 18
> Ans: 18

⤢ Answers | ✎ Edit | ⧉ Duplicate | ➤ Used In | ⇕ Reorder   Remove From Test
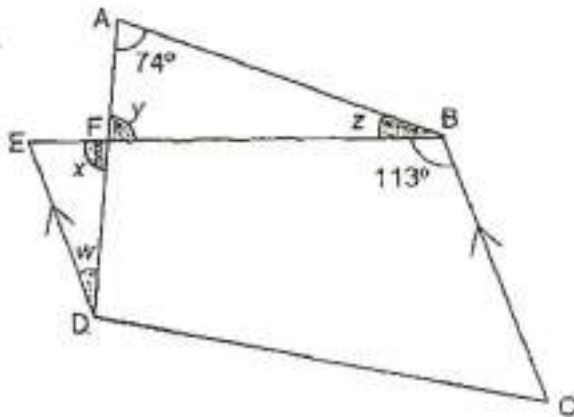
Question 33

Primary 6 Math » Primary 6 Math (Prelim)   3 pts

In the figure below, EBCD is a trapezium.   ED is parallel to BC.
∠FAB = 74° and ∠EBC = 113°.   Find the sum of ∠w, ∠x, ∠y and ∠z.

Accepted answers:

✓ 219 degrees

✓ 219 degree

Question Type: Free Text
Date Added: Mon 2nd Aug 2021

Correctly answered feedback

180º - 74º = 106º (Angle *y* + Angle *z*)
180º - 113º = 67º
180º - 67º = 113º (Angle *x* + Angle *w*)
113º + 106º = 219º

Incorrectly answered feedback

180º - 74º = 106º (Angle *y* + Angle *z*)
180º - 113º = 67º
180º - 67º = 113º (Angle *x* + Angle *w*)
113º + 106º = 219º

↗ Answers | ✏ Edit | ⧉ Duplicate | ✈ Used In | ⇕ Reorder   Remove From Test
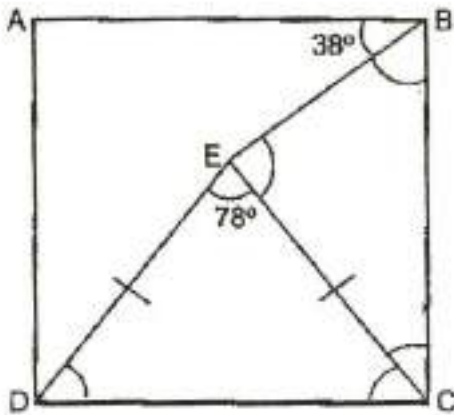
Question 34

Primary 6 Math » Primary 6 Math (Prelim)   3 pts

In the figure below, ABCD is a square and ECD is an isosceles triangle.
∠DEC = 78º and ∠ABE = 38º.   Find ∠BEC.

Accepted answers:

✔ 89 degrees

✔ 89 degree

✔ 89

Correctly answered feedback

90º - 38º = 52º
180º - 78º = 120º
120º / 2 = 51º
90º - 51º = 39º
180º - 39º - 52º = 89º
Ans: 89º

Incorrectly answered feedback

90º - 38º = 52º
180º - 78º = 120º
120º / 2 = 51º
90º - 51º = 39º
180º - 39º - 52º = 89º
Ans: 89º

↗ Answers | ✎ Edit | ⊡ Duplicate | ◀ Used In | ⇕ Reorder   Remove From Test

Question 35   *Primary 6 Math* » Primary 6 Math (Prelim)   2 pts

A bicycle cost $617.10 after a discount of 15%. What was the price of the bicycle before the discount?

Accepted answers:

✔ $726

✔ 726

Question Type: Free Text
Date Added: Mon 2nd Aug 2021
Last Modified: N/A
QID#:   28,593,875

Correctly answered feedback

$617.10 / 85 = $7.26
$7.26 x 100 = $726
Ans: $726

Incorrectly answered feedback

$617.10 / 85 = $7.26
$7.26 x 100 = $726
Ans: $726

↗ Answers | ✎ Edit | ⊡ Duplicate | ◀ Used In | ⇕ Reorder   Remove From Test

Question 36   *Primary 6 Math* » Primary 6 Math (Prelim)   1 pt

The distance between two points is 267 cm. Express this distance in metres.

Accepted answers:

2.67 m

✔

✔ 2.67m

✔ 2.67metres

✔ 2.67 metres

✔ 2 .67m

✔ 2 .67 M

✔ 2 .67 metres

✔ 2. 67 metres

✔ 2. 67m

✔ 2. 67 m

✔ 2 . 67m

✔ 2 . 67 m

Question Type: *Free Text*
Date Added: Mon 2nd Aug 2021
Last Modified: N/A
QID#:   28,593,876

Correctly answered feedback

267cm = 2.67m
Ans: 2.67m

Incorrectly answered feedback

267cm = 2.67m
Ans: 2.67m

↗ Answers | ✎ Edit | ⊕ Duplicate | ✈ Used In | ⇕ Reorder   Remove From Test
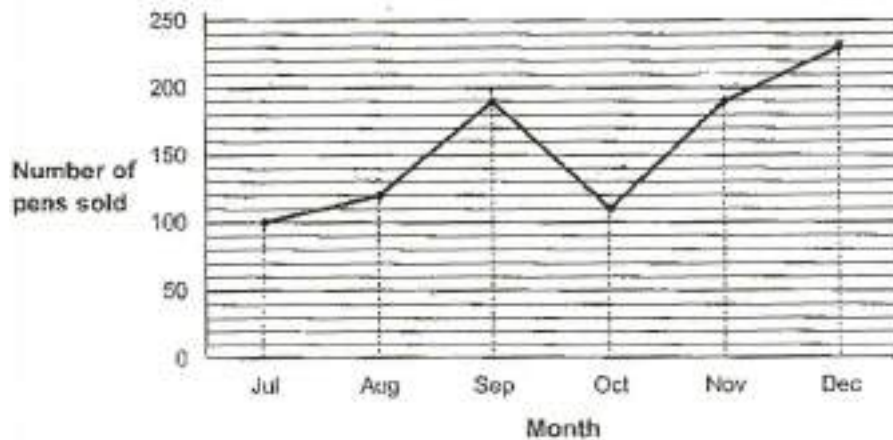
Question 37

Primary 6 Math » Primary 6 Math (Prelim)   1 pt

The line graph below shows the number of pens sold in a bookstore each month from July to December in 2017.

In which two months were the number of pens sold the same?

Accepted answers:

✔ September and November

✔ november and september

✔ september, november

✔ september ,november

✔ september , november

✔ november, september

✔ november ,september

✔ november , september

Question Type: Free Text
Date Added: Mon 2nd Aug 2021
Last Modified: N/A
QID#:   28,593,877

↗ Answers | ✎ Edit | ⧉ Duplicate | ✈ Used In | ⇕ Reorder   Remove From Test
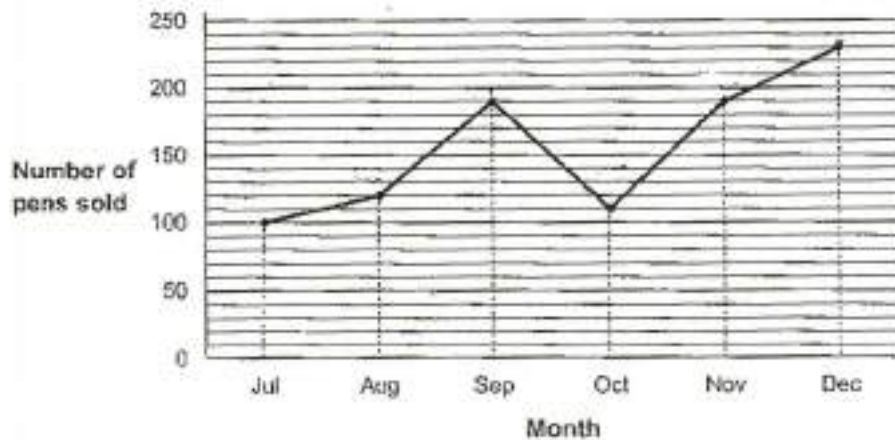
Question 38   *Primary 6 Math* » Primary 6 Math (Prelim)   2 pts

The line graph below shows the number of pens sold in a bookstore each month from July to December in 2017.

Find the total number of pens sold from August to November.

Accepted answers:

✔ 610

✔ 610 pens

Question Type: Free Text
Date Added: Mon 2nd Aug 2021
Last Modified: N/A
QID#:   28,593,880

Correctly answered feedback

120 + 190 + 110 + 190 = 610

Incorrectly answered feedback

120 + 190 + 110 + 190 = 610

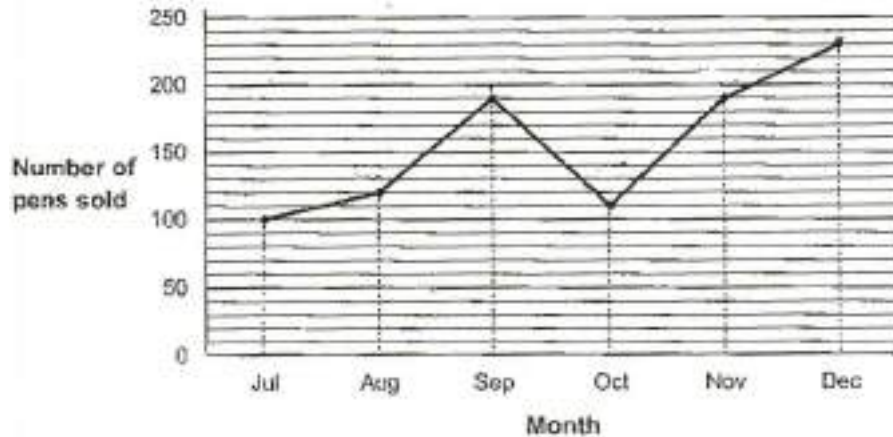↗ Answers | ✏ Edit | 📋 Duplicate | ➤ Used In | ⇕ Reorder   Remove From Test

Question 39

Primary 6 Math » Primary 6 Math (Prelim)   1 pt

The line graph below shows the number of pens sold in a bookstore each month from July to December in 2017.

The statement below is either true, false or not possible to tell from the information given in the line graph. Choose the correct answer for the statement below.

Statement: The increase in the number of pens sold from June to July was less than the increase in the number of pens sold from August to September.

A.   TRUE

B.   FALSE

✓ C.   Not Possible to Tell

Question Type:	Multiple Choice
Randomize Answers:	No
Date Added:	Mon 2nd Aug 2021
Last Modified:	N/A
QID#:	28,593,847

⤢ Answers | ✎ Edit | ⧉ Duplicate | ⤳ Used In | ⇕ Reorder   Remove From Test
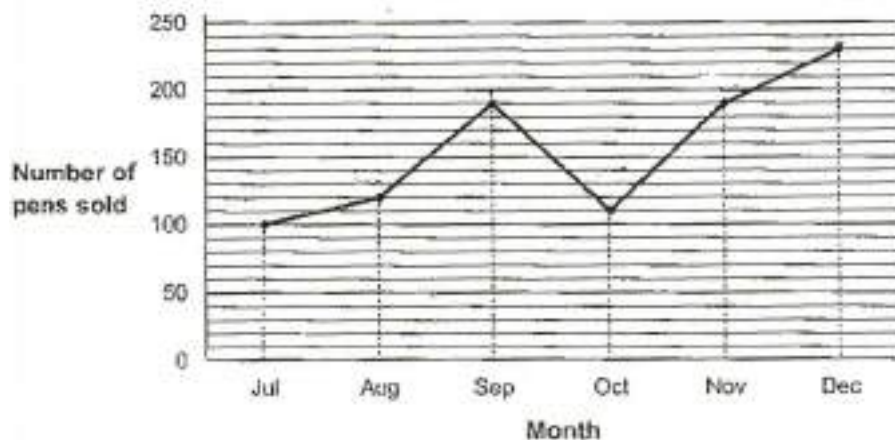
Question 40

Primary 6 Math » Primary 6 Math (Prelim)   1 pt

The line graph below shows the number of pens sold in a bookstore each month from July to December in 2017.

The statement below is either true, false or not possible to tell from the information given in the line graph. Choose the correct answer for the statement below.

Statement: The number of pens sold in July was three times the number of pens sold in May.

A.   TRUE

✓ B.   FALSE

C.   Not Possible to Tell

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Mon 2nd Aug 2021
Last Modified: N/A
QID#:   28,593,848

⤢ Answers | ✎ Edit | ⎘ Duplicate | ➤ Used In | ⇅ Reorder   Remove From Test

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Question 41   *Primary 6 Math* » Primary 6 Math (Prelim)   2 pts

Mrs Tay baked some cupcakes. $\frac{1}{4}$ of the cupcakes that she had baked were vanilla cupcakes, $\frac{1}{5}$ of the remaining cupcakes were lychee cupcakes and the rest were chocolate cupcakes.   She baked 36 chocolate cupcakes.   How many cupcakes did she bake in total?

Accepted answers:

✓ 60

✓ 60 cupcakes

Question Type: Free Text
Date Added: Mon 2nd Aug 2021
Last Modified: N/A
QID#:   28,593,879

Correctly answered feedback

$$\frac{1}{4} = \frac{5}{20}$$

$$1 - \frac{1}{4} = \frac{3}{4}$$ $3 \times 4 = 12$

$$\frac{3}{4} = \frac{15}{20}$$ $36 \div 12 = 3$

$$\frac{15}{20} \div \frac{5}{1} = \frac{3}{20}$$ $3 \times 20 = 60$

Ans: 60

Incorrectly answered feedback

$$\frac{1}{4} = \frac{5}{20}$$

$$1 - \frac{1}{4} = \frac{3}{4}$$ $3 \times 4 = 12$

$$\frac{3}{4} = \frac{15}{20}$$ $36 \div 12 = 3$

$$\frac{15}{20} \div \frac{5}{1} = \frac{3}{20}$$ $3 \times 20 = 60$

Ans: 60

↗ Answers | ✎ Edit | ⊡ Duplicate | ✈ Used In | ⇕ Reorder   Remove From Test
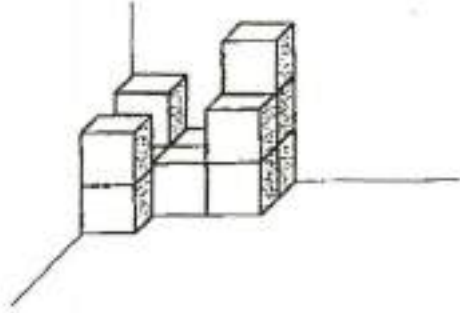
Question 42   *Primary 6 Math* » Primary 6 Math (Prelim)   1 pt

The figure below is made up of identical cubes.   How many cubes are there in the figure?

Accepted answers:

✔ 12

✔ 12 cubes

Question Type: Free Text
Date Added: Mon 2nd Aug 2021
Last Modified: N/A
QID#:   28,593,881

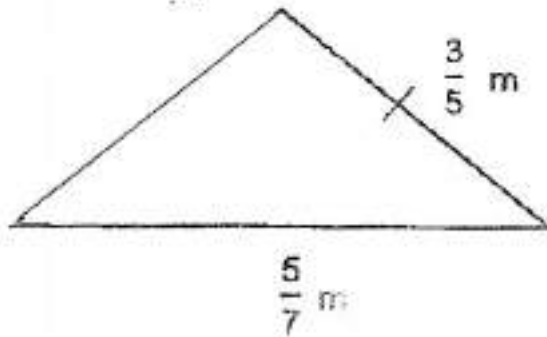↗ Answers | ✏ Edit | 🗐 Duplicate | ↗ Used In | ⇕ Reorder   Remove From Test

Question 43

Primary 6 Math » Primary 6 Math (Prelim)   2 pts

Find the perimeter of the isosceles triangle shown below.

Accepted answers:

✔ 1 32/35 m

Question Type: Free Text
Date Added: Mon 2nd Aug 2021
Last Modified: N/A

QID#:   *28,593,882*

Correctly answered feedback

$$\frac{3}{5} + \frac{5}{7} + \frac{3}{5} = \qquad \frac{21}{35} + \frac{25}{35} + \frac{21}{35}$$

$$= \qquad \frac{67}{89}$$

$$= \qquad 1\frac{32}{35}$$

Ans: $1\frac{32}{35}$ m

Incorrectly answered feedback

$$\frac{3}{5} + \frac{5}{7} + \frac{3}{5} = \qquad \frac{21}{35} + \frac{25}{35} + \frac{21}{35}$$
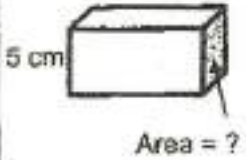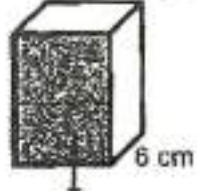
$$= \qquad \frac{67}{89}$$
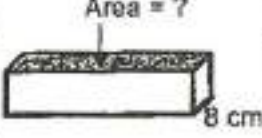
$$= \qquad 1\frac{32}{35}$$

Ans: $1\frac{32}{35}$ m

⤢ Answers | ✎ Edit | ⧉ Duplicate | ➤ Used In | ⇕ Reorder   Remove From Test

Question 44   *Primary 6 Math* » Primary 6 Math (Prelim)   1 pt

In which of the following can the area of the shaded face of the cuboid be found?

| Volume = 100 cm³ | Volume = 240 cm³ | Volume = 400 cm³ |

Ans: Cuboid _____

Accepted answers:

✓ Cuboid B

✓ B

Question Type: Free Text
Date Added: Mon 2nd Aug 2021
Last Modified: N/A
QID#:   28,593,883

Correctly answered feedback

240 / 6 = 40
Ans: Cuboid B

Incorrectly answered feedback

240 / 6 = 40
Ans: Cuboid B

⟋ Answers | ✎ Edit | ⧉ Duplicate | ⟋ Used In | ⇕ Reorder   Remove From Test

Question 45   *Primary 6 Math* » Primary 6 Math (Prelim)   3 pts

Mr Lee has a total of 36 coins. They consist of only 20-cent, 50-cent and $1 coins. He has twice as many $1 coins as 20-cent coins. The total value of the 50-cent coins is $4.40 more than the total value of the 20-cent coins. How many $1 coins does Mr Lee have?

Accepted answers:

✔ 16

Question Type: Free Text
Date Added: Mon 2nd Aug 2021
Last Modified: N/A
QID#: 28,593,884

Correctly answered feedback

No. of $1 dollar coins	Total value	No. of 20-cent coins	Total value	No. of 50-cent coins	Total value	Difference in values of 20-cent coins and 50-cent coins	Check
6	$6	3	$0.60	27	$13.50	$12.90	x
12	$12	6	$1.20	18	$9	$7.80	x
16	$18	8	$1.60	12	$8	$4.40	√

Ans: 16

Incorrectly answered feedback

No. of $1 dollar coins	Total value	No. of 20-cent coins	Total value	No. of 50-cent coins	Total value	Difference in values of 20-cent coins and 50-cent coins	Check
6	$6	3	$0.60	27	$13.50	$12.90	x
12	$12	6	$1.20	18	$9	$7.80	x
16	$18	8	$1.60	12	$8	$4.40	√

Ans: 16

⤢ Answers | ✏ Edit | ⧉ Duplicate | ➤ Used In | ⇕ Reorder   Remove From Test

Question 46

Primary 6 Math » Primary 6 Math (Prelim)   3 pts

Town P was exactly halfway between Town M and Town N. At 08 00, Nancy started travelling from Town M to Town N while Seo Joon started travelling from Town N to Town M. Nancy travelled at 50 m/min while Seo Joon travelled at 80 m/min. They did not change their speeds throughout the journey. When they passed each other, their distance from Town P was 120 m. At what time did Seo Joon reach Town M?

Accepted answers:

✔ 08 13

✔ 813

Question Type:	Free Text
Date Added:	Mon 2nd Aug 2021
Last Modified:	N/A
QID#:	28,593,885

Correctly answered feedback

$$(120 \times 2) \div (80 - 50) = 8$$

$$8 \times (50 + 80) = 1040$$

$$1040 \div 80 = 13$$

Ans: 08 13

Incorrectly answered feedback

$$(120 \times 2) \div (80 - 50) = 8$$

$$8 \times (50 + 80) = 1040$$

$$1040 \div 80 = 13$$

Ans: 08 13

⤢ Answers | ✏ Edit | 🗐 Duplicate | ➤ Used In | ⇕ Reorder   Remove From Test

Question 47

Primary 6 Math » Primary 6 Math (Prelim)   2 pts

How many common factors do 16 and 20 have?

Accepted answers:

✔ 3

✔ 3 common factors

Question Type:	*Free Text*
Date Added:	*Mon 2nd Aug 2021*
Last Modified:	*N/A*
QID#:	*28,593,886*

> ***Correctly answered feedback***
>
> 16: 1 x 16, 2 x 8, 4 x 4
> 20: 1 x 20, 2 x 10, 4 x 5
>
> Ans: 3

> ***Incorrectly answered feedback***
>
> 16: 1 x 16, 2 x 8, 4 x 4
> 20: 1 x 20, 2 x 10, 4 x 5
>
> Ans: 3

⤢ Answers | ✏ Edit | ⎘ Duplicate | ➤ Used In | ⇕ Reorder   Remove From Test

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Question 48

Primary 6 Math » Primary 6 Math (Prelim)   3 pts

Ashley and Wei Shen have the mass of 43.3 kg each. The mass of Bernadette is 1.8 kg less than the average mass of Ashley, Wei Shen and Bernadette. Find the total mass of Ashley, Wei Shen and Bernadette.

Accepted answers:

✔ 127.2

✔ 127.2 kg

✔ 127 .2 kg

Question Type:	*Free Text*
Date Added:	*Mon 2nd Aug 2021*
Last Modified:	*N/A*
QID#:	*28,593,887*

> ***Correctly answered feedback***

$$43.3 \times 2 = 86.6$$

$$86.6 - 1.8 = 84.8$$

$$84.8 \div 2 = 42.4$$

$$42.4 \times 3 = 127.2$$

Incorrectly answered feedback

$$43.3 \times 2 = 86.6$$

$$86.6 - 1.8 = 84.8$$

$$84.8 \div 2 = 42.4$$

$$42.4 \times 3 = 127.2$$

⤢ Answers | ✎ Edit | ⧉ Duplicate | ➤ Used In | ⇕ Reorder   Remove From Test
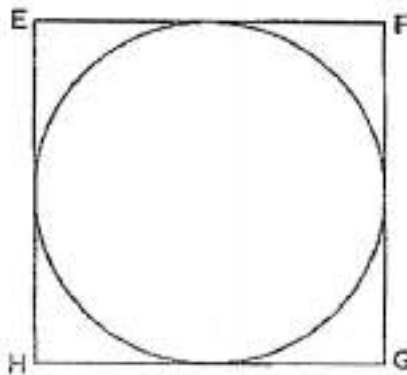
Question 49

Primary 6 Math » Primary 6 Math (Prelim)   2 pts

The perimeter of rectangle ABCD is 12 cm more than that of rectangle AMND.   The area of rectangle MBCN is 54 cm².

Find the length of AD.

Accepted answers:

✔ 9

✔ 9 cm

✔ 9cm

Question Type: *Free Text*
Date Added: *Mon 2nd Aug 2021*
Last Modified: *N/A*
QID#:   *28,593,888*

Correctly answered feedback

12 / 2 = 6
54 / 6 = 9 cm

Incorrectly answered feedback

12 / 2 = 6
54 / 6 = 9 cm

↗ Answers | ✏ Edit | ⊕ Duplicate | ➤ Used In | ⇅ Reorder   Remove From Test
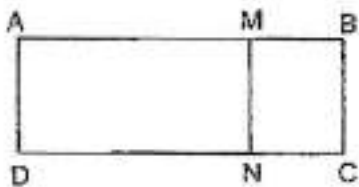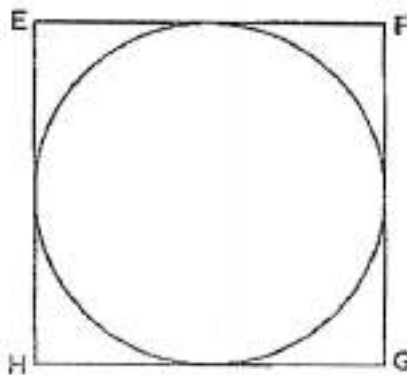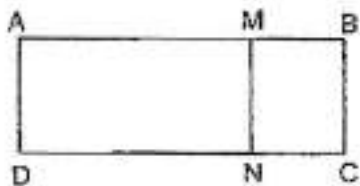
Question 50

Primary 6 Math » Primary 6 Math (Prelim)   3 pts

The perimeter of rectangle ABCD is 12 cm more than that of rectangle
AMND.   The area of rectangle MBCN is 54 cm².

The perimeter of square EFGH is 12 times the length of AD.
Use the calculator value of π to find the area of the circle which
touches the 4 sides of square EFGH, correct to 1 decimal place.

Accepted answers:

✔ 572.6

✔ 572.6 cm

✔ 572.6cm

Question Type: *Free Text*
Date Added: *Mon 2nd Aug 2021*
Last Modified: *N/A*
QID#:   *28,593,892*

Correctly answered feedback

9 x 12 = 108
108 / 4 = 27
27 / 2 = 13.5
value of pie (3.14) x 13.5 x 13.5 = 572.6

Incorrectly answered feedback

9 x 12 = 108
108 / 4 = 27
27 / 2 = 13.5
value of pie (3.14) x 13.5 x 13.5 = 572.6

⤢ Answers | ✏ Edit | 🗗 Duplicate | ➤ Used In | ⬍ Reorder   Remove From Test

Question 51   *Primary 6 Math* » Primary 6 Math (Prelim)   2 pts

Mdm Ler, Mr Chan and Mdm Ng bought some blue and some yellow highlighters. Each blue highlighter cost $0.30 more than each yellow highlighter. The table below shows number of highlighters each of them bought for each colour.

	Number of blue highlighters bought	Number of yellow highlighters bought
Mdm Ler	10	17
Mr Chan	7	20
Mdm Ng	12	15

Mdm Ng spent an equal amount of money on the blue highlighters and on the yellow highlighters. How much did each blue highlighter cost?

Accepted answers:

✔ $1.50

✔ $1 .50

✔ $1. 50

✔ $1 . 50

✔ $ 1. 50

✔ $ 1 .50

✔ $ 1 . 50

✔ 1.5

✔ 1. 50

✔ 1 .50

✔ 1 . 50

Question Type:	*Free Text*
Date Added:	Mon 2nd Aug 2021
Last Modified:	N/A
QID#:	28,593,889

Correctly answered feedback

Let the cost of the blue and yellow highlighter be 1u and 1y respectively,

$1u$ - $0.30 = $1y$
$12u = 15y$
$12u = 15 (1u$ - $0.30)$
$12u = 15u$ - 4.50
$3u = 4.50
$1u = 1.50

Incorrectly answered feedback

Let the cost of the blue and yellow highlighter be 1u and 1y respectively,

$1u$ - $0.30 = $1y$
$12u = 15y$
$12u = 15 (1u$ - $0.30)$
$12u = 15u$ - 4.50
$3u = 4.50
$1u = 1.50

⟋ Answers | ✎ Edit | ⎘ Duplicate | ➤ Used In | ⇕ Reorder   Remove From Test

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Question 52

Primary 6 Math » Primary 6 Math (Prelim)   2 pts

Mdm Ler, Mr Chan and Mdm Ng bought some blue and some yellow highlighters. Each blue highlighter cost $0.30 more than each yellow highlighter. The table below shows number of highlighters each of them bought for each colour.

	Number of blue highlighters bought	Number of yellow highlighters bought
Mdm Ler	10	17
Mr Chan	7	20
Mdm Ng	12	15

Find the difference between Mdm Ler's total spending on the highlighters and Mr Chan's total spending on the highlighters.

Accepted answers:

✔ $0.90

✔ $0 .90

✔ $0. 90

✔ $ 0. 90

✔ $ 0 .90

✔ $ 0 . 90

✔ $0 . 90

Question Type: Free Text
Date Added: Mon 2nd Aug 2021
Last Modified: N/A
QID#:   28,593,864

Correctly answered feedback

($1.50 x 10) + (1.20 x 17) = $35.40
($1.50 x 7) + ($1.20 x 20) = $34.50
$35.40 - $34.50 = $0.90

Incorrectly answered feedback

($1.50 x 10) + (1.20 x 17) = $35.40
($1.50 x 7) + ($1.20 x 20) = $34.50
$35.40 - $34.50 = $0.90

↗ Answers | ✏ Edit | ⏇ Duplicate | ✈ Used In | ⇕ Reorder   Remove From Test

Question 53

Primary 6 Math » Primary 6 Math (Prelim)   4 pts

At a florist, there was a total of 3816 orchids, tulips and roses.   The ratio of the number of orchids to the number of tulips was 3 : 5.   After 40% of the orchids, $\frac{1}{5}$ of the tulips and 25% of the roses were sold, there were 2644 flowers left in the end.   How many orchids were there in the florist at first?

Accepted answers:

✔ 1020

✔ 1020 orchids

✔ 1,020

✔ 1,020 orchids

✔ 1, 020 orchids

✔ 1 ,020 orchids

✔ 1 , 020 orchids

✔ 1 020

✔ 1 020 orchids

✔ 1, 020

✔ 1 ,020

✔ 1 , 020

Question Type: Free Text
Date Added: Mon 2nd Aug 2021
Last Modified: N/A
QID#:   28,593,890

Correctly answered feedback

$15u + 25u + 4p = 3616$
$40u + 4p = 3616$
$120u + 12p = 10848$
$9u + 20u + 3p = 2644$
$29u + 3p = 2644$
$116u + 12p = 10576$
$120u - 116u = 4u$
$4u = 10848 - 10576 = 272$
$1u = 68$
$68 \times 15 = 1020$

Incorrectly answered feedback

$15u + 25u + 4p = 3616$
$40u + 4p = 3616$
$120u + 12p = 10848$
$9u + 20u + 3p = 2644$
$29u + 3p = 2644$
$116u + 12p = 10576$
$120u - 116u = 4u$
$4u = 10848 - 10576 = 272$
$1u = 68$
$68 \times 15 = 1020$

⤢ Answers | ✎ Edit | ⑂ Duplicate | ➤ Used In | ⬍ Reorder   Remove From Test

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Question 54

Primary 6 Math » Primary 6 Math (Prelim)   2 pts

A tank is empty at first. It takes 12 minutes to fill up the tank completely with Tap A alone.   It takes 8 minutes to fill up the tank completely with Tap B alone.   Starting with an empty tank, how long does it take for both taps together to fill half of the tank?

Accepted answers:

✔ 2.4 min

✔ 2.4 minutes

✔ 2.4min

✔ 2.4 mins

✔ 2.4mins

✔ 2 .4 min

✔ 2 .4min

✔ 2 .4mins

✔ 2 .4 mins

Question Type: Free Text
Date Added: Mon 2nd Aug 2021
Last Modified: N/A
QID#:   28,593,891

Correctly answered feedback

In 1 minute,

Tap A fills $\frac{1}{12}$ of the tank.

Tap B fills $\frac{1}{8}$ of the tank.

Taps A and B fill $\frac{5}{24}$ of the tank.

Time taken $= \frac{1}{2} \div \frac{5}{24}$

$\qquad\qquad = \frac{1}{2} \times \frac{24}{5}$

$\qquad\qquad = 2.4 \min$

Incorrectly answered feedback

In 1 minute,

Tap A fills $\frac{1}{12}$ of the tank.

Tap B fills $\frac{1}{8}$ of the tank.

Taps A and B fill $\frac{5}{24}$ of the tank.

Time taken $= \frac{1}{2} \div \frac{5}{24}$

$\qquad\qquad = \frac{1}{2} \times \frac{24}{5}$

$\qquad\qquad = 2.4 \min$
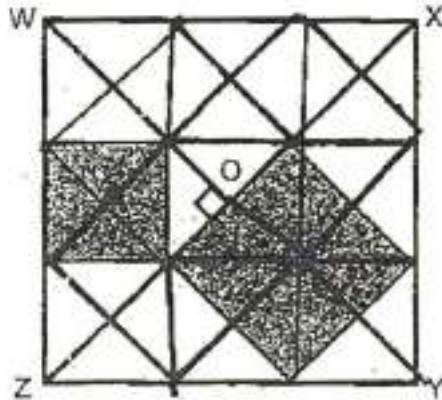
Question 55

Primary 6 Math » Primary 6 Math (Prelim)   2 pts

In the figure below, WXYZ is a square.   The shaded parts A and B are two squares with different areas.   All the corners of squares A and B lie either on the sides of square WXYZ or on the lines WO and XZ.   What fraction of the square WXYZ is shaded?

Accepted answers:

✔ 1-Mar

Question Type: Free Text
Date Added: Mon 2nd Aug 2021
Last Modified: N/A
QID#:   28,593,893

> **Correctly answered feedback**
>
> $4 \times 9 = 36$
>
> $$\frac{8}{36} + \frac{4}{36} = \frac{12}{36}$$
>
> $$= \frac{1}{3}$$
>
> Ans : $\frac{1}{3}$

Incorrectly answered feedback

$$4 \times 9 = 36$$

$$\frac{8}{36} + \frac{4}{36} = \frac{12}{36}$$

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

Ans : $\frac{1}{3}$

Answers | Edit | Duplicate | Used In | Reorder   Remove From Test

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