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(2020) Primary 6 Maths (Term 1) - ACS

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Test Introduction

[+ Add Introduction](#)**28 Questions** (28 Points)**Question Bank:** 12,655 Questions[Test Questions](#)[0 Test Assignments](#)

Question 1

[Primary 6 Math](#) » [Primary 6 Math \(Term 1\)](#)

1 pt

Simplify $7b + 8 + b - 4 - 2b$

- A. $6b-4$
- ✓ B. $6b+4$
- C. $10b-4$
- D. $10b+4$

Question Type: *Multiple Choice*
Randomize Answers: *No*
Date Added: *Wed 22nd Sep 2021*
Last Modified: *N/A*
QID#: *29,097,669*

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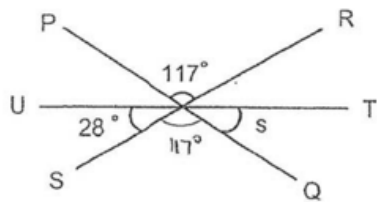
Question 2

[Primary 6 Math](#) » [Primary 6 Math \(Term 1\)](#)

1 pt

In the figure, PQ, RS and TU are straight lines as shown in the figure.

Find $\angle s$.



- A. 28
- ✓ B. 35
- C. 62
- D. 63

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 22nd Sep 2021
Last Modified: N/A
QID#: 29,097,684

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Question 3

Primary 6 Math » Primary 6 Math (Term 1)

1 pt

In a class of 42 students, 24 are boys. What is the ratio of the number of girls to the numbers of boys?

- A. 1:4
- ✓ B. 3:4
- C. 4:3
- D. 4:7

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 22nd Sep 2021
Last Modified: N/A
QID#: 29,097,686

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Question 4

Primary 6 Math » Primary 6 Math (Term 1)

1 pt

$$6x7+6=2x7+\underline{\quad}$$

What is the missing number?

- A. 17
- B. 32
- ✓ C. 34
- D. 64

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 22nd Sep 2021
Last Modified: N/A
QID#: 29,097,705

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Question 5

Primary 6 Math » Primary 6 Math (Term 1)

1 pt

James bought $\frac{3}{4}$ kg of peanuts. He packed the peanuts equally into some bags. Each bag weighed $\frac{1}{16}$ kg. How many bags of peanuts did he have?

- ✓ A. 12
- B. 16
- C. 48
- D. 64

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 22nd Sep 2021
Last Modified: N/A
QID#: 29,097,710

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Question 6

Primary 6 Math » Primary 6 Math (Term 1)

1 pt

Ben, Jerry and Kumar had some flour. The ratio of the amount of flour Ben had to the amount of flour Jerry had was 2 : 3. Jerry had $\frac{4}{5}$ the amount of flour Kumar had. Kumar had 420 g of flour more than Ben. How much flour did Jerry have?

- A. 240g
- B. 630g
- ✓ C. 720g
- D. 840g

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 22nd Sep 2021
Last Modified: N/A
QID#: 29,097,712

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Question 7

Primary 6 Math » Primary 6 Math (Term 1)

1 pt

The original price of a pair of shoes was \$50. At a sale, Adam was given a 20% discount. There was a 7% GST on the discounted price of the shoes. How much did Adam pay for the pair of shoes with GST?

- A. \$37.20
- ✓ B. \$42.80
- C. \$46.50
- D. \$53.50

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Wed 22nd Sep 2021
Last Modified: N/A
QID#: 29,097,717

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Question 8

Primary 6 Math » Primary 6 Math (Term 1)

1 pt

Find the value of $8p + \frac{p+3}{2} - 3$ when $p = 7$.

Accepted answers:

- ✓ 58

Question Type: Free Text
Date Added: Wed 22nd Sep 2021

Last Modified: N/A
 QID#: 29,097,724

Correctly answered feedback

$$\begin{aligned} &56+7+3/2-3 \\ &= 56+10/2-3 \\ &= 56+5-3 \\ &= 61-3 \\ &=58 \end{aligned}$$

Incorrectly answered feedback

$$\begin{aligned} &56+7+3/2-3 \\ &= 56+10/2-3 \\ &= 56+5-3 \\ &= 61-3 \\ &=58 \end{aligned}$$

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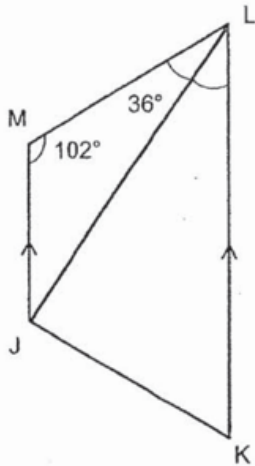
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Question 9

Primary 6 Math » Primary 6 Math (Term 1)

1 pt

JKLM is a trapezium. $\angle JML = 102^\circ$ and $\angle MLJ = 36^\circ$. Find $\angle JLK$.



Accepted answers:

✓ 42

Question Type: Free Text
Date Added: Wed 22nd Sep 2021
Last Modified: N/A
QID#: 29,097,726

Correctly answered feedback

$$\begin{aligned} &180-102=78 \\ &78-36=42 \end{aligned}$$

Incorrectly answered feedback

180-102=78
78-36=42

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Question 10

Primary 6 Math » Primary 6 Math (Term 1)

1 pt

Find the value of $99-63+9+7\times 6$

Accepted answers:

✓ 134

Question Type: Free Text

Date Added: Wed 22nd Sep 2021

Last Modified: N/A

QID#: 29,097,765

Correctly answered feedback

$99-7+7\times 6$
 $=99-7+42$
 $92+42=134$

Incorrectly answered feedback

$99-7+7\times 6$
 $=99-7+42$
 $92+42=134$

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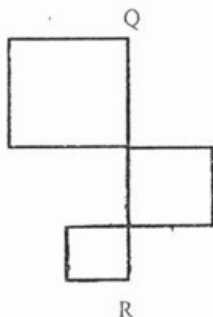
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Question 11

Primary 6 Math » Primary 6 Math (Term 1)

1 pt

A piece of string 68 cm was bent to form 3 squares as shown below. Find the length of QR.



Accepted answers:

- ✓ 17cm
- ✓ 17 cm
- ✓ 17

Question Type: Free Text
Date Added: Wed 22nd Sep 2021
Last Modified: N/A
QID#: 29,097,767

Correctly answered feedback

$1u+1u+1u+1u=4u$
 $4u+4u = 8u$
 $8u=68$
 $1u=8.5$
 $2u=17$

Incorrectly answered feedback

$1u+1u+1u+1u=4u$
 $4u+4u = 8u$
 $8u=68$
 $1u=8.5$
 $2u=17$

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Question 12

Primary 6 Math » Primary 6 Math (Term 1)

1 pt

Find the value of $\frac{3}{7} + \frac{9}{28}$. Give your answer as a mixed number in its simplest form.

Accepted answers:

- ✓ 1 1/3

Question Type: Free Text
Date Added: Wed 22nd Sep 2021
Last Modified: N/A
QID#: 29,097,770

Correctly answered feedback

$3/7 \times 28/3 = 4/3 = 1 \frac{1}{3}$

Incorrectly answered feedback

$$\frac{3}{7} \times \frac{28}{3} = \frac{4}{3} = 1 \frac{1}{3}$$

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Question 13

Primary 6 Math » Primary 6 Math (Term 1)

1 pt

A bubble tea shop sold $7x$ cups of bubble tea on Monday. It sold $(8z-20)$ cups of bubble tea on Tuesday. It sold a total of 550 cups of bubble tea in 2 days. Find the value of z .

Accepted answers:

✓ 38

Question Type: Free Text

Date Added: Wed 22nd Sep 2021

Last Modified: N/A

QID#: 29,097,805

Correctly answered feedback

mon=72

tues= $8z-20$

$7z+8z-20=550$

$15z=550+20=570$

$z=38$

Incorrectly answered feedback

mon=72

tues= $8z-20$

$7z+8z-20=550$

$15z=550+20=570$

$z=38$

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Question 14

Primary 6 Math » Primary 6 Math (Term 1)

1 pt

Angie bought 3 kg of chocolates. She kept $\frac{2}{5}$ of it for herself and shared the rest equally with some children. Each child received $\frac{1}{5}$ kg of chocolates. How many children were there?

Accepted answers:

✓ 9 children

9



Question Type: Free Text
Date Added: Wed 22nd Sep 2021
Last Modified: Wed 22nd Sep 2021
QID#: 29,097,807

Correctly answered feedback

$$\frac{2}{5} \times \frac{3}{1} = \frac{6}{5} \text{ KG}$$

$$3 - \frac{6}{5} = \frac{15}{5} - \frac{6}{5}$$

$$= \frac{9}{5} \text{ KG}$$

$$\frac{9}{5} \div \frac{1}{5} = \frac{9}{5} \times \frac{5}{1}$$

=9 children.

Incorrectly answered feedback

$$\frac{2}{5} \times \frac{3}{1} = \frac{6}{5} \text{ KG}$$

$$3 - \frac{6}{5} = \frac{15}{5} - \frac{6}{5}$$

$$= \frac{9}{5} \text{ KG}$$

$$\frac{9}{5} \div \frac{1}{5} = \frac{9}{5} \times \frac{5}{1}$$

=9 children.

James had blue and purple markers. The ratio of the number of blue markers to the number of purple markers is 2:3. He gave away 56 purple markers. In the end, the ratio of the number of blue markers to the number of purple markers is 3:1. How many blue markers did James have?

Accepted answers:

✓ 48

Question Type: Free Text
Date Added: Wed 22nd Sep 2021
Last Modified: N/A
QID#: 29,097,857

Correctly answered feedback

7u=56
 1u=8
 6u=48

Incorrectly answered feedback

7u=56
 1u=8
 6u=48

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Question 16

Primary 6 Math » Primary 6 Math (Term 1)

1 pt

There are 32 children in a group. 20 of them are boys. What percentage of the children are girls?

Accepted answers:

✓ 37.5%

✓ 37.5 %

✓ 37.5

Question Type: Free Text
Date Added: Wed 22nd Sep 2021
Last Modified: N/A
QID#: 29,097,862

Correctly answered feedback

32-20=12
 12/32x100=300/8
 = 37.5

Incorrectly answered feedback

$$32-20=12$$

$$\begin{aligned} 12/32 \times 100 &= 300/8 \\ &= 37.5 \end{aligned}$$

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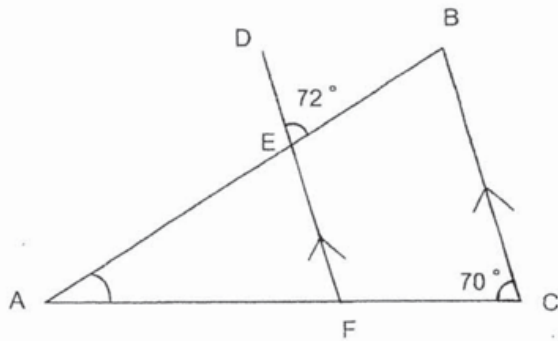
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Question 17

Primary 6 Math » Primary 6 Math (Term 1)

1 pt

In the figure below, ABC is a triangle. $\angle DEB = 72^\circ$ and $\angle FCB = 70^\circ$. BC is parallel to DF. Find $\angle EAF$.



Accepted answers:

✓ 38

Question Type: Free Text
Date Added: Wed 22nd Sep 2021
Last Modified: N/A
QID#: 29,098,588

Correctly answered feedback

$$180-72-70=38$$

Incorrectly answered feedback

$$180-72-70=38$$

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Question 18

Primary 6 Math » Primary 6 Math (Term 1)

1 pt

A book cost \$5.40 more than a pen. Mindy bought 2 books and 4 times as many pens. She spent \$36.80 altogether. How much did each pen cost?

Accepted answers:

- ✓ \$2.60
- ✓ \$ 2.60
- ✓ 2.60

Question Type: Free Text
Date Added: Wed 22nd Sep 2021
Last Modified: N/A
QID#: 29,098,621

Correctly answered feedback

$10U + 10.80 = 36 - 80$
 $10U = 36.80 - 10.80$
 $1u = 2.60$

Incorrectly answered feedback

$10U + 10.80 = 36 - 80$
 $10U = 36.80 - 10.80$
 $1u = 2.60$

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Question 19

Primary 6 Math » Primary 6 Math (Term 1)

1 pt

Chester had 20 more stickers than Brian. Brian used $\frac{4}{7}$ of his stickers and Chester used $\frac{3}{5}$ of his stickers. In the end, Brian and Chester had the same number of stickers left. How many stickers did they have altogether at first?

Accepted answers:

- ✓ 580

Question Type: Free Text
Date Added: Wed 22nd Sep 2021
Last Modified: N/A
QID#: 29,098,630

Correctly answered feedback

$$\frac{3}{7} = \frac{2}{5}$$

$$\frac{6}{14} = \frac{6}{15}$$

$$1U = 20$$

$$29U = 580$$

Incorrectly answered feedback

$$\frac{3}{7} = \frac{2}{5}$$

$$\frac{6}{14} = \frac{6}{15}$$

$$1U = 20$$

$$29U = 580$$

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Question 20

Primary 6 Math » Primary 6 Math (Term 1)

1 pt

The breadth of a rectangle is $\frac{3}{5}$ of its length. The perimeter of the rectangle is 48 cm.

(a) What is the breadth of the rectangle?

Accepted answers:

✓ 15

Question Type: Free Text
Date Added: Wed 22nd Sep 2021
Last Modified: N/A
QID#: 29,098,653

Correctly answered feedback

$$16u=48$$

$$1u=3$$

3u=9
5u=15

Incorrectly answered feedback

16u=48
1u=3
3u=9
5u=15

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Question 21

Primary 6 Math » Primary 6 Math (Term 1)

1 pt

b) What is the area of the triangle?

Accepted answers:

✓ 135

Question Type: Free Text
Date Added: Wed 22nd Sep 2021
Last Modified: N/A
QID#: 29,098,743

Correctly answered feedback

15x9=135

Incorrectly answered feedback

15x9=135

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Question 22

Primary 6 Math » Primary 6 Math (Term 1)

1 pt

At first, Tim had some \$2 and \$10 notes in the ratio of 5:2. He then exchanged 2 pieces of \$10 notes with his mother for \$2 notes of the same value. In the end, the ratio of \$2 notes to \$10 notes is 5:1.

a) How many \$10 notes did he have at first?

Accepted answers:

✓ 8

Question Type: Free Text
Date Added: Wed 22nd Sep 2021
Last Modified: N/A
QID#: 29,098,834

Correctly answered feedback

$5u+20=10u-10$
 $10=5u-10$
 $20=5u$
 $1u=4$
 $20=8$

Incorrectly answered feedback

$5u+20=10u-10$
 $10=5u-10$
 $20=5u$
 $1u=4$
 $20=8$

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Question 23

Primary 6 Math » Primary 6 Math (Term 1)

1 pt

b) How much money did he have at first?

Accepted answers:

- ✓ \$120
- ✓ \$ 120
- ✓ 120

Question Type: Free Text
Date Added: Wed 22nd Sep 2021
Last Modified: N/A
QID#: 29,098,839

Correctly answered feedback

$5u=20$
 $20 \times 2=40$
 $8 \times 10=80$
 $40+80=120$

Incorrectly answered feedback

$5u=20$
 $20 \times 2=40$
 $8 \times 10=80$
 $40+80=120$

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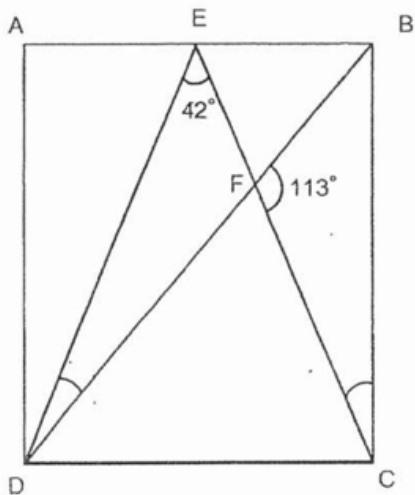
Question 24

Primary 6 Math » Primary 6 Math (Term 1)

1 pt

In the figure below, ABCD is a rectangle and ECD is an isosceles triangle.
 $ED = EC$. $\angle DEC = 42^\circ$ and $\angle BFC = 113^\circ$.

(a) Find $\angle ECB$



Accepted answers:

✓ 21

Question Type: Free Text
Date Added: Wed 22nd Sep 2021
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QID#: 29,098,841

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Question 25

Primary 6 Math » Primary 6 Math (Term 1)

1 pt

b) Find $\angle EDB$

Accepted answers:

✓ 25

Question Type: Free Text
Date Added: Wed 22nd Sep 2021
Last Modified: N/A
QID#: 29,098,843

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Question 26

Primary 6 Math » Primary 6 Math (Term 1)

1 pt

Mary had \$200. She spent $\frac{1}{5}$ of her money on some wet wipes and $\frac{3}{8}$ of the remaining money on some hand wash and the rest on masks.

(a) How much money did she spend on masks?

Accepted answers:

✓ 100

Question Type: Free Text
Date Added: Wed 22nd Sep 2021
Last Modified: N/A
QID#: 29,098,847

Correctly answered feedback

$\frac{1}{2} \times 200 = 100$

Incorrectly answered feedback

$\frac{1}{2} \times 200 = 100$

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Question 27

Primary 6 Math » Primary 6 Math (Term 1)

1 pt

(b) Mary bought a total of 40 packs of surgical and N95 masks. The table below shows the cost of one pack of masks.

Type of mask	Cost of one pack of mask
Surgical	\$2
N95	\$7

How many packs of N95 masks did Mary buy?

Accepted answers:

✓ 4

Question Type: Free Text
Date Added: Wed 22nd Sep 2021
Last Modified: N/A
QID#: 29,098,853

Correctly answered feedback

40x2=80
 100-80=20
 20÷5=4

Incorrectly answered feedback

40x2=80
 100-80=20
 20÷5=4

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Question 28

Primary 6 Math » Primary 6 Math (Term 1)

1 pt

There were 40 more girls than boys in the school hall. $\frac{2}{5}$ of the girls and $\frac{1}{3}$ of the boys left the hall. In the end, there were 18 more girls than boys remaining in the hall. Find the total number of girls and boys in the hall at first.

Accepted answers:

✓ 220

Question Type: Free Text
Date Added: Wed 22nd Sep 2021
Last Modified: N/A
QID#: 29,098,856

Correctly answered feedback

10u+18=9u+24
 1u=6
 30u=180
 180+40=220

Incorrectly answered feedback

10u+18=9u+24
 1u=6

30u=180
180+40=220

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