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Primary 6 Maths (Term 1) - Nanyang

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Test Introduction

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54 Questions (88 Points)

Question Bank: 12,655 Questions

Test Questions

0 Test Assignments

Question 1

Primary 6 Math » Primary 6 Math (Term 1)

1 pt

Find the value of 140×4000

- A. 5600
- B. 56 000
- ✓ C. 560 000
- D. 5 600 000

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Fri 20th Aug 2021
Last Modified: N/A
QID#: 28,775,370

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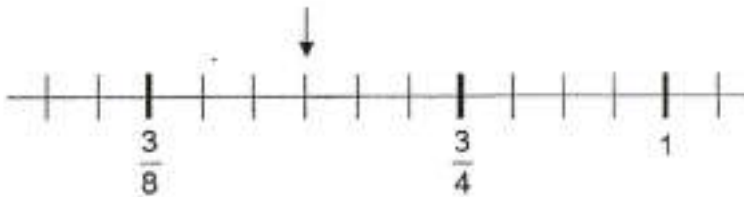
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Question 2

Primary 6 Math » Primary 6 Math (Term 1)

1 pt

In the number line below, what is the value indicated by the arrow?



A.

$$\frac{3}{6}$$

B.

$$\frac{6}{8}$$

C.

$$\frac{6}{16}$$

✓ D.

$$\frac{9}{16}$$

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Fri 20th Aug 2021
Last Modified: N/A
QID#: 28,775,373

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Question 3

Primary 6 Math » Primary 6 Math (Term 1)

1 pt

$\frac{7}{8}$ of a cake was shared equally among 6 people. What fraction of the cake did each person receive?

A.

$$\frac{4}{21}$$

✓ B. $\frac{7}{48}$

C. $\frac{21}{4}$

D. $\frac{48}{7}$

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Fri 20th Aug 2021
Last Modified: N/A
QID#: 28,775,374

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Question 4

Primary 6 Math » Primary 6 Math (Term 1)

1 pt

Express 2045cm in m

- A. 2.45m
 B. 2.045m
 ✓ C. 20.45m
 D. 20.045m

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Fri 20th Aug 2021
Last Modified: N/A
QID#: 28,775,376

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Question 5

Primary 6 Math » Primary 6 Math (Term 1)

1 pt

Find the value of $0.1 \div 100$

- A. 10
- B. 100
- ✓ C. 0.001
- D. 0.01

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Fri 20th Aug 2021
Last Modified: N/A
QID#: 28,775,375

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Question 6

Primary 6 Math » Primary 6 Math (Term 1)

1 pt

Find the value of $\frac{7}{10} - \frac{1}{4} + \frac{1}{10}$.

- A. $\frac{7}{20}$
- ✓ B. $\frac{11}{20}$
- C. $\frac{17}{20}$
- D. $\frac{21}{20}$

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Fri 20th Aug 2021
Last Modified: N/A
QID#: 28,775,371

Question 7

Primary 6 Math » Primary 6 Math (Term 1)

1 pt

Mr Suresh had $\frac{7}{9}$ kg of sugar. He used $\frac{1}{3}$ of it to bake some cookies.

How much sugar did he use?

✓ A.

$$\frac{7}{27} \text{ kg}$$

B.

$$\frac{12}{27} \text{ kg}$$

C.

$$\frac{14}{27} \text{ kg}$$

D.

$$\frac{28}{27} \text{ kg}$$

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Fri 20th Aug 2021
Last Modified: N/A
QID#: 28,775,372

Question 8

Primary 6 Math » Primary 6 Math (Term 1)

1 pt

Simplify $24q-8q+3q$

✓ A. 19q

B. 19

C. 13q

D. 13

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Fri 20th Aug 2021
Last Modified: N/A
QID#: 28,775,359

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Question 9

Primary 6 Math » Primary 6 Math (Term 1)

1 pt

Which of the following is likely to be the mass of a 15-cm plastic ruler?



- A. 500g
- B. 50 kg
- C. 5kg
- ✓ D. 5g

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Fri 20th Aug 2021
Last Modified: N/A
QID#: 28,775,360

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Question 10

Primary 6 Math » Primary 6 Math (Term 1)

1 pt

Look at the pattern below.

3	9
12	6

4	?
16	8

5	15
?	10

6	18
24	12

7	21
28	14

Find the sum of the two missing numbers.

- A. 8
- B. 12
- C. 20
- ✓ D. 32

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Fri 20th Aug 2021
Last Modified: N/A
QID#: 28,775,361

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Question 11

Primary 6 Math » Primary 6 Math (Term 1)

1 pt

Sam was given some ribbon to tie 2 parcels. He used $\frac{7}{8}$ m of ribbon to tie the first parcel. The length of ribbon used for the second parcel was twice the length of ribbon used for the first parcel. How many metres of ribbon did he use in all?

- A. $\frac{7}{16}$ m
- B. $\frac{21}{16}$ m
- C. $\frac{14}{8}$ m

✓ D. $\frac{21}{8}$ m

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Fri 20th Aug 2021
Last Modified: N/A
QID#: 28,775,363

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Question 12

Primary 6 Math » Primary 6 Math (Term 1)

1 pt

In a music store, 250 CDs were sold in January. In February, 150 CDs were sold. What was the percentage decrease in the sale of the CDs?

- A. 25%
 B. 37.50%
 ✓ C. 40%
 D. 60%

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Fri 20th Aug 2021
Last Modified: N/A
QID#: 28,775,364

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Question 13

Primary 6 Math » Primary 6 Math (Term 1)

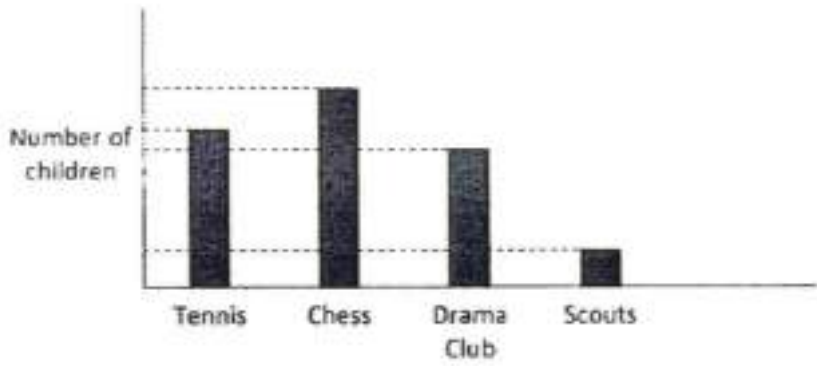
1 pt

The total number of children in Tennis, Chess, Drama Club and Scouts was 200. The table below shows the number of children in Tennis, Chess and Drama Club.

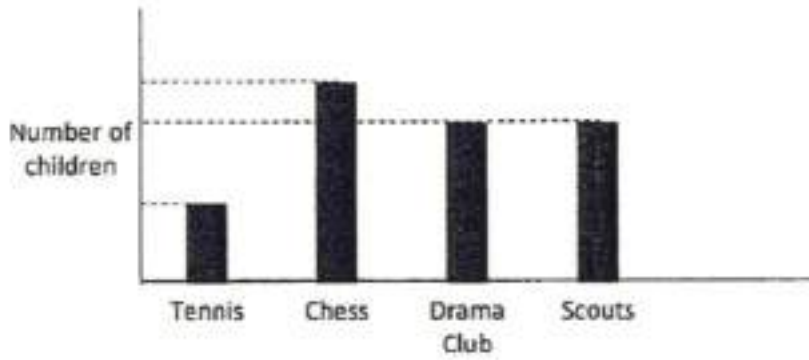
CCA	Tennis	Chess	Drama Club	Scouts
Number of children	45	60	50	?

Which bar graph best represents the information in the table?

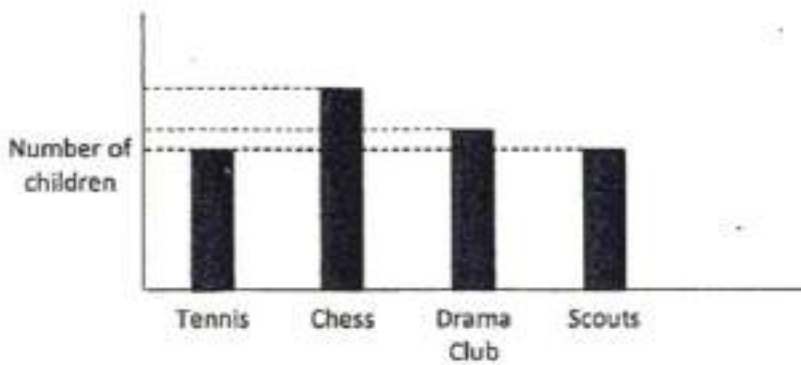
A.



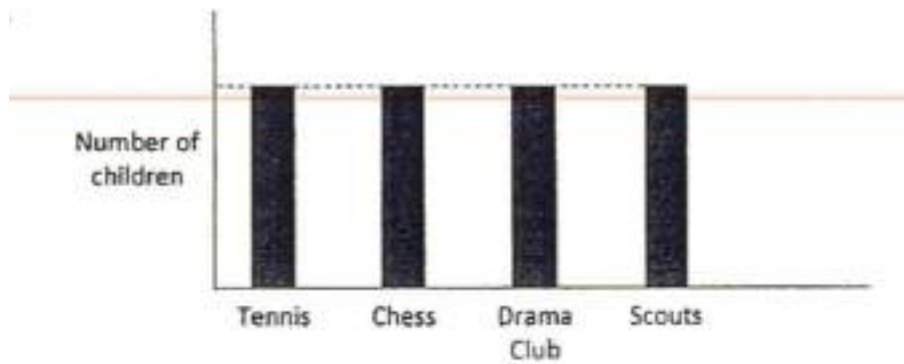
B.



✓ C.



D.



Question Type: Multiple Choice
Randomize Answers: No
Date Added: Fri 20th Aug 2021
Last Modified: N/A
QID#: 28,775,366

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Question 14

Primary 6 Math » Primary 6 Math (Term 1)

1 pt

Find the value of $70 \div (6 + 8 \div 2) + 5$

Accepted answers:

✓ 12

Question Type: Free Text
Date Added: Fri 20th Aug 2021
Last Modified: N/A
QID#: 28,775,385

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Question 15

Primary 6 Math » Primary 6 Math (Term 1)

1 pt

A shopkeeper filled some empty bottles with 24 l of barley drink. He filled each bottle with $\frac{2}{3}$ l of barley drink. How many bottles did he fill?

Accepted answers:

✓ 36

Question Type: Free Text
Date Added: Fri 20th Aug 2021
Last Modified: N/A
QID#: 28,775,386

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Question 16

Primary 6 Math » Primary 6 Math (Term 1)

1 pt

Find the missing value.

$42 \div \underline{\quad} = 6$

Accepted answers:

✓ 7

Question Type: Free Text
Date Added: Fri 20th Aug 2021
Last Modified: N/A
QID#: 28,775,389

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

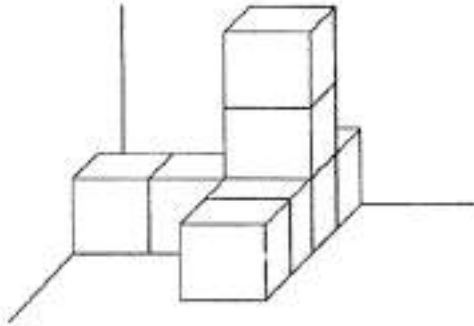
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Question 17

Primary 6 Math » Primary 6 Math (Term 1)

1 pt

The solid below is built with 2-cm cubes. How many more such cubes must be added to form a bigger solid measuring 8 cm by 8 cm by 8 cm?



- ✓ A. 56
B. 64
C. 216
D. 504

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Fri 20th Aug 2021
Last Modified: N/A
QID#: 28,775,365

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Question 18

Primary 6 Math » Primary 6 Math (Term 1)

1 pt

Find the value of $\frac{12+3n}{2}$ when $n = 6$.

Accepted answers:

✓ 15

Question Type: Free Text
Date Added: Fri 20th Aug 2021
Last Modified: N/A
QID#: 28,775,391

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Question 19

Primary 6 Math » Primary 6 Math (Term 1)

1 pt

Andrew had \$280. He spent 40% of it on a watch. How much did he spend on the watch?

Accepted answers:

✓ \$112

✓ 112

Question Type: Free Text
Date Added: Fri 20th Aug 2021
Last Modified: N/A
QID#: 28,775,387

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Question 20

Primary 6 Math » Primary 6 Math (Term 1)

2 pts

The table below shows the ages of 4 children. Whose age is the closest to the average age of the 4 children?

Name	Age in years
Alicia	7
Bernice	9
Chris	13
Danny	10

- A. Alicia
- B. Bernice
- C. Chris
- ✓ D. Danny

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Fri 20th Aug 2021
Last Modified: N/A
QID#: 28,775,362

Correctly answered feedback

$$7 + 9 + 13 + 10 = 39$$

$$39 \div 4 = 9.75$$

$$9.75 \approx 10$$

Ans: Danny

Incorrectly answered feedback

$$7 + 9 + 13 + 10 = 39$$

$$39 \div 4 = 9.75$$

$$9.75 \approx 10$$

Ans: Danny

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Question 21

Primary 6 Math » Primary 6 Math (Term 1)

2 pts

Jane bought 40 chocolate tarts, some cheese tarts and some blueberry tarts for her party. Each tart cost \$2 and she paid \$200 for all the tarts. Everyone in the party took 2 tarts each and there was no tarts left.

Statement: There were 50 people at the party

- ✓ A. TRUE
- B. False
- C. Not possible to tell

Question Type: Multiple Choice
Randomize Answers: No

Date Added: Fri 20th Aug 2021
Last Modified: N/A
QID#: 28,775,367

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Question 22

Primary 6 Math » Primary 6 Math (Term 1)

2 pts

Statement: Joanne bought 6 times as many cheese tarts as blueberry tarts.

- A. TRUE
- ✓ B. FALSE
- C. Not possible to tell

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Fri 20th Aug 2021
Last Modified: N/A
QID#: 28,775,368

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Question 23

Primary 6 Math » Primary 6 Math (Term 1)

1 pt

There are 50 pupils in a class. 32 of them are boys. What percentage of the pupils are boys?

- A. 18%
- B. 32%
- C. 36%
- ✓ D. 64%

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Fri 20th Aug 2021
Last Modified: N/A
QID#: 28,775,377

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Question 24

Primary 6 Math » Primary 6 Math (Term 1)

2 pts

The usual price of a pair of shoes was \$180. Sally bought it at a 25% discount during a sale. How much did she pay for the pair of shoes after discount?

Accepted answers:

- ✓ \$135

✓ 135

Question Type: Free Text
Date Added: Fri 20th Aug 2021
Last Modified: N/A
QID#: 28,775,380

Correctly answered feedback

$25/100 \times 180 = 45$
 $180 - 45 = 135$

Incorrectly answered feedback

$25/100 \times 180 = 45$
 $180 - 45 = 135$

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

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Question 25

Primary 6 Math » Primary 6 Math (Term 1)

2 pts

The thickness of a dictionary was $\frac{1}{8}$ of the height of a table. The height of 3 such tables when stacked on top of one another was $\frac{21}{8}$ m. What is the total thickness of 2 such dictionaries?

Accepted answers:

✓ $7/32$ m

✓ $7/32$ m

Question Type: Free Text
Date Added: Fri 20th Aug 2021
Last Modified: N/A
QID#: 28,775,381

Correctly answered feedback

$$\frac{21}{8} \div 3 = \frac{7}{8}$$

$$8u = \frac{7}{8}$$

$$1u = \frac{7}{8} \div 8 = \frac{7}{32}$$

$$\frac{7}{64} \times 2 = \frac{7}{32}$$

Incorrectly answered feedback

$$\frac{21}{8} \div 3 = \frac{7}{8}$$

$$8u = \frac{7}{8}$$

$$1u = \frac{7}{8} \div 8 = \frac{7}{32}$$

$$\frac{7}{64} \times 2 = \frac{7}{32}$$

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Question 26

Primary 6 Math » Primary 6 Math (Term 1)

2 pts

At a pet shop, $\frac{1}{4}$ of the animals were cats, 45% of the animals were dogs, 18% of the animals were rabbits and the rest were hamsters. There were 24 hamsters. How many animals were there at the pet shop?

Accepted answers:

✓ 200

Question Type: Free Text
Date Added: Fri 20th Aug 2021
Last Modified: N/A
QID#: 28,775,382

Correctly answered feedback

$$\frac{1}{4} = \frac{25}{100} = 25\%$$

$$100\% - 25\% - 45\% - 18\% = 12\% \text{ (H)}$$

$$12\% = 24$$

$$1\% = 24 \div 12 = 2$$

$$100\% = 2 \times 100 = 200$$

Ans: 200

Incorrectly answered feedback

$$\frac{1}{4} = \frac{25}{100} = 25\%$$

$$100\% - 25\% - 45\% - 18\% = 12\% \text{ (H)}$$

$$12\% = 24$$

$$1\% = 24 \div 12 = 2$$

$$100\% = 2 \times 100 = 200$$

Ans: 200

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Question 27

Primary 6 Math » Primary 6 Math (Term 1)

2 pts

Amy had \$10y. She had \$24 less than Cindy. Linda had half as much as Amy. They bought a present which cost \$(4y + 5) for their friend.

- (a) How much did they have altogether at first? Give your answer in terms of y in the simplest form.

Accepted answers:

- ✓ \$(24y+24)
- ✓ \$ (24y+24)
- ✓ (24y+24)

Question Type: Free Text

Date Added: Fri 20th Aug 2021

Last Modified: N/A

QID#: 28,775,383

Correctly answered feedback

$10Y+2=5Y$

$5Y+10Y+10Y+24=(25y+24)$

Incorrectly answered feedback

$10Y+2=5Y$

$5Y+10Y+10Y+24=(25y+24)$

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Question 28

Primary 6 Math » Primary 6 Math (Term 1)

2 pts

b) If $y=7$, how much did they have left in total after buying the present?

Accepted answers:

✓ \$166

✓ 166

Question Type: Free Text

Date Added: Fri 20th Aug 2021

Last Modified: N/A

QID#: 28,775,390

Correctly answered feedback

$10x7=70$

$70+24=94$

$70\div 2=35$

$4x7=28$

$28+5=33$

$70+94+35=199$

$199-33=166$

Incorrectly answered feedback

$10x7=70$

$70+24=94$

$70\div 2=35$

$4x7=28$

$28+5=33$

$70+94+35=199$

$199-33=166$

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Question 29

Primary 6 Math » Primary 6 Math (Term 1)

2 pts

A machine could produce 120 000 boxes of chocolates in 6 hours. After the machine was improved and upgraded, the machine can now produce 9000 more boxes of chocolates in every 2 hours. At this new rate, how many boxes of chocolates does the machine produce in one hour?

Accepted answers:

✓ 24500

Question Type: Free Text
Date Added: Fri 20th Aug 2021
Last Modified: N/A
QID#: 28,775,384

Correctly answered feedback

$120\ 000 \div 6 = 20\ 000$
 $9000 \div 2 = 4500$
 $20000 + 2500 = 24500$

Incorrectly answered feedback

$120\ 000 \div 6 = 20\ 000$
 $9000 \div 2 = 4500$
 $20000 + 2500 = 24500$

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Question 30

Primary 6 Math » Primary 6 Math (Term 1)

2 pts

A tank measuring 35 cm long and 25 cm wide was filled with water to a height of 0.18 m. When 2.6 l of water was added into the tank, 850 ml of water overflowed from the tank. What was the capacity of the tank?

Accepted answers:

✓ 17500cm³

✓ 17500 cm³

✓ 17500

Question Type: Free Text
Date Added: Fri 20th Aug 2021
Last Modified: N/A
QID#: 28,775,388

Correctly answered feedback

$$0.18 \text{ m} = 18 \text{ cm}$$

$$35 \times 25 \times 18 = 15\,750$$

$$2.6 \text{ l} = 2600 \text{ cm}^3$$

$$15\,750 + 2600 = 18\,350$$

$$850 \text{ ml} = 850 \text{ cm}^3$$

$$18\,350 - 850 = 17\,500$$

Incorrectly answered feedback

$$0.18 \text{ m} = 18 \text{ cm}$$

$$35 \times 25 \times 18 = 15\,750$$

$$2.6 \text{ l} = 2600 \text{ cm}^3$$

$$15\,750 + 2600 = 18\,350$$

$$850 \text{ ml} = 850 \text{ cm}^3$$

$$18\,350 - 850 = 17\,500$$

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Question 31

Primary 6 Math » Primary 6 Math (Term 1)

2 pts

At first, Josh and May had some marbles each. After Josh gave $\frac{1}{4}$ of his marbles to May, May had 3 times as many marbles as him. May then gave Josh 12 marbles. In the end, each of them had an equal number of marbles. How many marbles did May have at first?

Accepted answers:

✓ 32

Question Type: Free Text
Date Added: Fri 20th Aug 2021
Last Modified: N/A
QID#: 28,775,392

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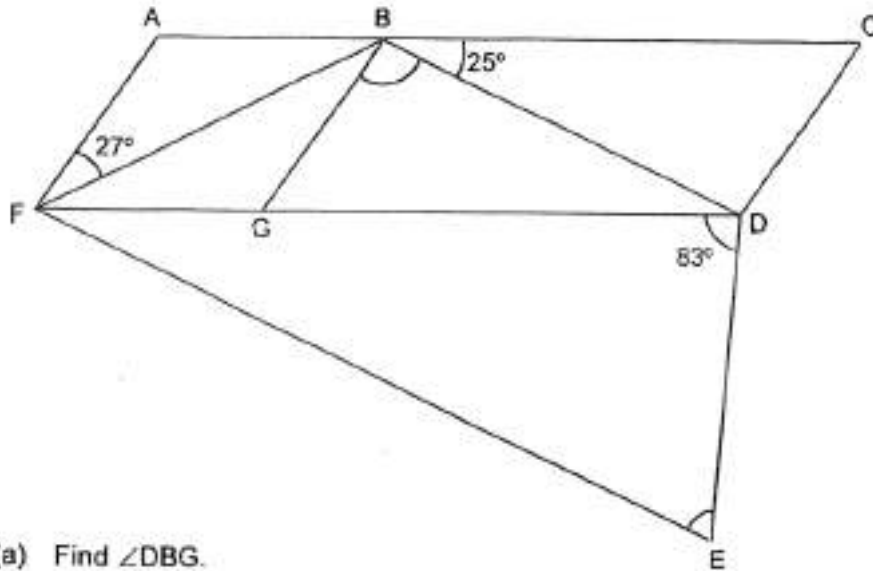
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Question 32

Primary 6 Math » Primary 6 Math (Term 1)

2 pts

In the figure, ABGF is a rhombus, BCDG is a parallelogram and BDEF is a trapezium. ABC and FGD are straight lines and BD is parallel to FE. $\angle AFB = 27^\circ$, $\angle CBD = 25^\circ$ and $\angle GDE = 83^\circ$.



(a) Find $\angle DBG$.

Accepted answers:

✓ 101

Question Type: Free Text
Date Added: Fri 20th Aug 2021
Last Modified: N/A
QID#: 28,775,393

Correctly answered feedback

a) $180^\circ - 27^\circ - 27^\circ = 126^\circ$
 $180^\circ - 27^\circ - 27^\circ - 25^\circ = 101^\circ$

Incorrectly answered feedback

a) $180^\circ - 27^\circ - 27^\circ = 126^\circ$
 $180^\circ - 27^\circ - 27^\circ - 25^\circ = 101^\circ$

Question 33

Primary 6 Math » Primary 6 Math (Term 1)

2 pts

b) Find angle DEF

Accepted answers:

✓ 72

Question Type: Free Text
Date Added: Fri 20th Aug 2021
Last Modified: N/A
QID#: 28,775,394

Correctly answered feedback

$$\text{b) } 180^\circ - 101^\circ - 25^\circ = 54^\circ$$

$$101^\circ + 27^\circ = 128^\circ$$

$$180^\circ - 128^\circ = 52^\circ$$

$$52^\circ - 27^\circ = 25^\circ$$

$$180^\circ - 25^\circ - 83^\circ = 72^\circ$$

Incorrectly answered feedback

$$\text{b) } 180^\circ - 101^\circ - 25^\circ = 54^\circ$$

$$101^\circ + 27^\circ = 128^\circ$$

$$180^\circ - 128^\circ = 52^\circ$$

$$52^\circ - 27^\circ = 25^\circ$$

$$180^\circ - 25^\circ - 83^\circ = 72^\circ$$

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Question 34

Primary 6 Math » Primary 6 Math (Term 1)

2 pts

Hoe many ways can the digit 2,3,5 and 0 be arranged into 4-digit numbers that are multiples of 5? For each number, each digit can only be used once.

Accepted answers:

✓ 10

Question Type: Free Text
Date Added: Fri 20th Aug 2021
Last Modified: N/A
QID#: 28,775,395

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Question 35

Primary 6 Math » Primary 6 Math (Term 1)

2 pts

Mrs Cheng wants to pack $\frac{3}{4}$ kg of flour into small packets. Each small packet contains $\frac{1}{5}$ kg of flour. At most, how many of such small packets of flour can she pack?

Accepted answers:

✓ 3

Question Type: Free Text
Date Added: Fri 20th Aug 2021
Last Modified: N/A
QID#: 28,775,396

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Question 36

Primary 6 Math » Primary 6 Math (Term 1)

2 pts

- The table below shows the number of pupils who are left-handed in a school. The number of pupils who are right-handed is not shown in the table. The ratio of the number of boys who are left-handed to the number of boys who are right-handed is 2 : 33.

	Left-handed	Right-handed
Boys	48	
Girls	42	

- (a) How many boys are right-handed?

Accepted answers:

✓ 792

Question Type: Free Text
Date Added: Fri 20th Aug 2021
Last Modified: N/A

QID#: 28,775,397

Correctly answered feedback

$$\mathbf{a) \ 2u = 48}$$

$$\mathbf{1u = 24}$$

$$\mathbf{33u = 24 \times 33}$$

$$\mathbf{=792}$$

Incorrectly answered feedback

$$\mathbf{a) \ 2u = 48}$$

$$\mathbf{1u = 24}$$

$$\mathbf{33u = 24 \times 33}$$

$$\mathbf{=792}$$

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Question 37

Primary 6 Math » Primary 6 Math (Term 1)

2 pts

(b) 95% of the pupils are right-handed. What is the ratio of the number of girls to the number of boys to the total number of pupils? Give your answer in the simplest form.

Accepted answers:

✓ 8:07:15

Question Type: Free Text

Date Added: Fri 20th Aug 2021

Last Modified: N/A

QID#: 28,775,398

Correctly answered feedback

$$100-95=5$$

$$5\%=48+42=90$$

$$1\%=18$$

$$100\%=1800$$

$$48+792=840$$

$$1800-840=960$$

$$960:980:1800$$

$$8:7:15$$

Incorrectly answered feedback

100-95=5
5%=48+42=90
1%=18
100%=1800
48+792=840
1800-840=960
960:980:1800
8:7:15

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Question 38

Primary 6 Math » Primary 6 Math (Term 1)

2 pts

c) Some girls are then transferred into the school from another school. Did the percentage of boys who are right-handed increase, decrease or remain the same compared to the total number of pupils?

- A. increase
- ✓ B. decrease
- C. remain the same

Question Type: Multiple Choice
Randomize Answers: No
Date Added: Fri 20th Aug 2021
Last Modified: N/A
QID#: 28,775,369

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Question 39

Primary 6 Math » Primary 6 Math (Term 1)

2 pts

A file cost \$1.20 more than a notebook. A pen cost twice as much as the file. The total cost of the three times was \$11.60. What was the cost of the file?

Accepted answers:

- ✓ \$3.20
- ✓ 3.2

Question Type: Free Text
Date Added: Fri 20th Aug 2021
Last Modified: N/A
QID#: 28,775,399

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Question 40

Primary 6 Math » Primary 6 Math (Term 1)

2 pts

Thana had some hair clips. 25% of Thana's hair clips were blue. She had 10 blue hair clips. How many hair clips did she have altogether?

Accepted answers:

✓ 40

Question Type: Free Text
Date Added: Fri 20th Aug 2021
Last Modified: N/A
QID#: 28,775,400

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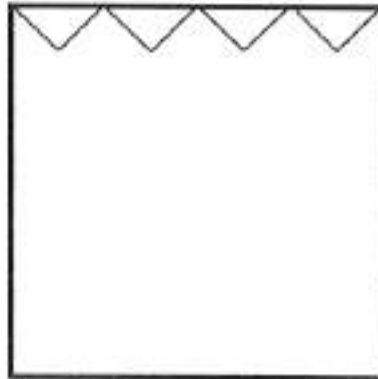
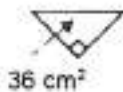
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Question 41

Primary 6 Math » Primary 6 Math (Term 1)

2 pts

Mrs Lau had some cloth which she had cut into identical right-angled isosceles triangles. Each triangular piece of cloth had an area of 36 cm^2 . She then sewed these triangles onto the square piece of cloth as shown below.



She continued to sew these triangular pieces of cloth onto the square piece of cloth without any overlaps. No part of any of the triangular piece of cloth was outside of the square piece of cloth.

- (a) How many of such triangular pieces of cloth did she sew to cover 1 face of the square piece of cloth **completely**?

Accepted answers:

✓ 64

Question Type: Free Text
Date Added: Fri 20th Aug 2021
Last Modified: N/A
QID#: 28,775,401

Correctly answered feedback

$16 \times 4 = 64$

Incorrectly answered feedback

16x4=64

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Question 42

Primary 6 Math » Primary 6 Math (Term 1)

2 pts

b) What is the perimeter of the square piece of cloth?

Accepted answers:

✓ 192

Question Type: Free Text

Date Added: Fri 20th Aug 2021

Last Modified: N/A

QID#: 28,775,403

Correctly answered feedback

$$\mathbf{b) \ 64 \times 36 = 2304}$$

$$\sqrt{2304} = 48$$

$$48 \times 4 = 192$$

Incorrectly answered feedback

$$\mathbf{b) \ 64 \times 36 = 2304}$$

$$\sqrt{2304} = 48$$

$$48 \times 4 = 192$$

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Question 43

Primary 6 Math » Primary 6 Math (Term 1)

2 pts

The monthly salary of Mr Gill is the same each month. In November, Mr Gill spent \$1600 of his monthly salary and saved the rest. In December, he increased his spending by 30% and his savings decreased by 50%. How much did he save in November?

Accepted answers:

✓ \$960

✓ 960

Question Type: Free Text
Date Added: Fri 20th Aug 2021
Last Modified: N/A
QID#: 28,775,402

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Question 44

Primary 6 Math » Primary 6 Math (Term 1)

2 pts

Mr Chua bought 3 identical pairs of socks and less than 5 identical pairs of shoes. The total cost of the socks was \$75 and the average price of all the items that he had bought was \$78.60. The total amount that he had spent on the shoes was a whole number in dollars.

(a) How many pairs of shoes did he buy?

Accepted answers:

✓ 2

Question Type: Free Text
Date Added: Fri 20th Aug 2021
Last Modified: N/A
QID#: 28,775,404

Correctly answered feedback

$3s = 75$
 $1s = 75 \div 3 = 25$
 Guess and check
 $78.6 \times 7 = 550.20$
 $550.20 - 75 = 475.20$
 $78.60 \times 5 = 475.20$
 $78.60 \times 5 = 393$
 $393 - 75 = 318$
 $5 - 3 = 2$

Incorrectly answered feedback

$3s = 75$
 $1s = 75 \div 3 = 25$
 Guess and check
 $78.6 \times 7 = 550.20$
 $550.20 - 75 = 475.20$
 $78.60 \times 5 = 475.20$
 $78.60 \times 5 = 393$
 $393 - 75 = 318$
 $5 - 3 = 2$

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Question 45

Primary 6 Math » Primary 6 Math (Term 1)

2 pts

b) What was the average price of the shoes?

Accepted answers:

✓ \$159

✓ 159

Question Type: Free Text
Date Added: Fri 20th Aug 2021
Last Modified: N/A
QID#: 28,775,405

Correctly answered feedback

$159 \times 2 = 318$
 $318 \div 2 = 159$

Incorrectly answered feedback

$159 \times 2 = 318$
 $318 \div 2 = 159$

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Question 46

Primary 6 Math » Primary 6 Math (Term 1)

2 pts

The cost of 3 identical watches and 4 identical belts is \$371. The cost of 3 such watches and 2 such belts is \$298. What is the cost of 1 such belt?

Accepted answers:

✓ \$36.50

✓ 36.5

Question Type: Free Text
Date Added: Fri 20th Aug 2021
Last Modified: N/A
QID#: 28,775,406

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Question 47

Primary 6 Math » Primary 6 Math (Term 1)

2 pts

Wei Yan had some marbles at first. He gave $\frac{3}{8}$ of them to his friends and $\frac{5}{7}$ of the remaining marbles to his brother. His cousin then gave him 408 marbles. In the end, he had twice as many marbles as he had at first. How many marbles did Wei Yan have at first?

Accepted answers:

✓ 224

Question Type: Free Text
Date Added: Fri 20th Aug 2021
Last Modified: N/A
QID#: 28,775,407

Correctly answered feedback

$$\frac{2}{7} \times \frac{5}{8} = \frac{10}{56}$$

$$56u \times 2 = 112u$$

$$408 \div 102 = 4$$

$$56 \times 4 = 224$$

Ans: 224

Incorrectly answered feedback

$$\frac{2}{7} \times \frac{5}{8} = \frac{10}{56}$$

$$56u \times 2 = 112u$$

$$408 \div 102 = 4$$

$$56 \times 4 = 224$$

Ans: 224

Question 48

At a concert, 45% of the people were adults and $\frac{1}{5}$ of the remaining people were girls. There were 660 more boys than girls. How many people were at the concert?

Accepted answers:

✓ 2000

Question Type: Free Text
Date Added: Fri 20th Aug 2021
Last Modified: N/A
QID#: 28,775,408

Correctly answered feedback

$$45\% = \frac{9}{20}$$

$$\frac{4}{5} \times \frac{11}{20} = \frac{11}{25}$$

$$\frac{1}{5} \times \frac{11}{20} = \frac{11}{100}$$

$$\frac{11}{25} - \frac{11}{100} = \frac{33}{100}$$

$$33u = 660$$

$$1u = 660 \div 33 = 20$$

$$100u = 20 \times 100 = 2000$$

Incorrectly answered feedback

$$45\% = \frac{9}{20}$$

$$\frac{4}{5} \times \frac{11}{20} = \frac{11}{25}$$

$$\frac{1}{5} \times \frac{11}{20} = \frac{11}{100}$$

$$\frac{11}{25} - \frac{11}{100} = \frac{33}{100}$$

$$33u = 660$$

$$1u = 660 \div 33 = 20$$

$$100u = 20 \times 100 = 2000$$

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Question 49

Primary 6 Math » Primary 6 Math (Term 1)

2 pts

A baker baked 300 cookies. 60% of the cookies baked were chocolate chip cookies and the rest were lychee cookies. Some of the chocolate chip cookies were sold and now the percentage of the chocolate chip cookies decreased to 40% of the remaining cookies. How many chocolate chip cookies were sold?

Accepted answers:

✓ 100

Question Type: Free Text
Date Added: Fri 20th Aug 2021
Last Modified: N/A
QID#: 28,775,409

Correctly answered feedback

$$60 : 40$$

$$180 : 120$$

$$180 + 120 = 300$$

$$300u = 300$$

$$1u = 300 \div 300 = 1$$

$$180 - 80 = 100$$

$$100u = 100 \times 1 = 100$$

Incorrectly answered feedback

$$60 : 40$$

$$180 : 120$$

$$180 + 120 = 300$$

$$300u = 300$$

$$1u = 300 \div 300 = 1$$

$$180 - 80 = 100$$

$$100u = 100 \times 1 = 100$$

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Question 50

Primary 6 Math » Primary 6 Math (Term 1)

2 pts

The mass of a pineapple is f kg. The mass of a durian is twice as heavy as the pineapple. The mass of a watermelon is 3kg more than the mass of the durian. What is the mass of the watermelon? Give your answer in terms of f in the simplest form.

Accepted answers:

✓ $(2f+3)$ kg

✓ $(2f+3)$ kg

Question Type: Free Text

Date Added: Fri 20th Aug 2021

Last Modified: N/A

QID#: 28,775,410

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Question 51

Primary 6 Math » Primary 6 Math (Term 1)

2 pts

Mrs Lim had d m of cloth. She used 2m to sew a blouse. She used the remaining cloth to sew 4 identical dresses. If Mrs Lim had 22m of cloth, find the length of cloth she used to make 1 dress.

Accepted answers:

✓ 5m

✓ 5 m

Question Type: Free Text

Date Added: Fri 20th Aug 2021

Last Modified: N/A

QID#: 28,775,411

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Question 52

Primary 6 Math » Primary 6 Math (Term 1)

2 pts

Suhailah and Ramy went jogging at a park. Suhailah jogged $1\frac{1}{5}$ km and another $2\frac{1}{3}$ km after resting for some time. Ramy jogged $1\frac{1}{4}$ km less than the total distance that Suhailah jogged. How far did Ramy jog? Give your answer as a mixed number in the simplest form.

Accepted answers:

- ✓ 2 17/60kg
- ✓ 2 17/60 kg

Question Type: Free Text
Date Added: Fri 20th Aug 2021
Last Modified: N/A
QID#: 28,775,412

Correctly answered feedback

$$1\frac{1}{5} + 2\frac{1}{3} = 3\frac{8}{15}$$

$$3\frac{8}{15} - 1\frac{1}{4} = 2\frac{17}{60}$$

Incorrectly answered feedback

$$1\frac{1}{5} + 2\frac{1}{3} = 3\frac{8}{15}$$

$$3\frac{8}{15} - 1\frac{1}{4} = 2\frac{17}{60}$$

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Question 53

Primary 6 Math » Primary 6 Math (Term 1)

2 pts

Susan had 3 ℓ of water. She drank $\frac{3}{7}$ of it. How many litres of water did she drink?

Accepted answers:

- ✓ 1 2/7liters
- ✓ 1 2/7 liters
- ✓ 1 2/7

Question Type: Free Text
Date Added: Fri 20th Aug 2021
Last Modified: N/A
QID#: 28,775,413

Correctly answered feedback

$$\frac{3}{7} \times 3 = 1 \frac{2}{7}$$

Incorrectly answered feedback

$$\frac{3}{7} \times 3 = 1 \frac{2}{7}$$

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Question 54

Primary 6 Math » Primary 6 Math (Term 1)

2 pts

Six children took turns to sit on 2 swings from 2 p.m. to 2.45 p.m. At any time, 2 children sat on the swings while the other 4 children watched. Each of them spent the same amount of time sitting on the swing. How many minutes did each child sit on the swing?

Accepted answers:

- ✓ 15
- ✓ 15 min

Question Type: Free Text
Date Added: Fri 20th Aug 2021
Last Modified: N/A
QID#: 28,775,414

Correctly answered feedback

$$45 \times 2 = 90$$

$$90 \div 6 = 15$$

Incorrectly answered feedback

$$45 \times 2 = 90$$

$$90 \div 6 = 15$$

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