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## Primary 6 Math (Term 4) - Catholic High (Y0)

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### Test Introduction

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**60 Questions** (55 Points)

**Question Bank:** 12,655 Questions

Test Questions

0 Test Assignments

### Question 1

Primary 6 Math » Primary 6 Math (Prelim)

1 pt

In 54.32, what does the digit 3 stand for?

- A. 3 ones
- B. 3 tens
- ✓ C. 3 tenths
- D. 3 hundredths

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Fri 22nd Oct 2021  
**Last Modified:** N/A  
**QID#:** 29,419,430

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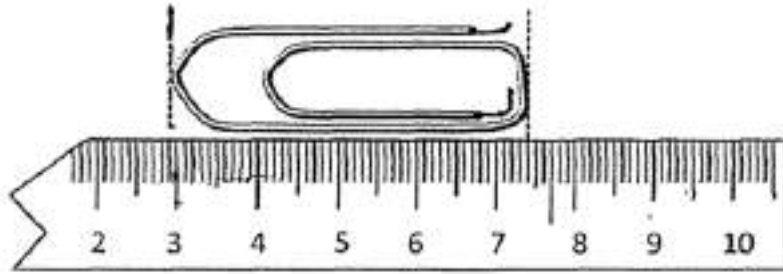
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### Question 2

Primary 6 Math » Primary 6 Math (Prelim)

1 pt

What is the length of the paper clip?



- A. 4.4 cm
- ✓ B. 4.5 cm
- C. 5.5 cm
- D. 7.5 cm

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Fri 22nd Oct 2021  
**Last Modified:** N/A  
**QID#:** 29,419,477

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### Question 3

Primary 6 Math » Primary 6 Math (Prelim)

1 pt

Which of the following is the likely mass of a handheld mobile phone?



- A. 20g
- B. 2g
- ✓ C. 200g
- D. 2000g

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Fri 22nd Oct 2021  
**Last Modified:** N/A  
**QID#:** 29,419,480

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## Question 4

Primary 6 Math » Primary 6 Math (Prelim)

1 pt

Suresh paid \$15 for 30 cookies. How much did each cookie cost?

- A. 5 cent
- B. 2 cent
- C. 20 cent
- ✓ D. 50 cent

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Fri 22nd Oct 2021  
**Last Modified:** N/A  
**QID#:** 29,419,484

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## Question 5

Primary 6 Math » Primary 6 Math (Prelim)

1 pt

Mr Ong arranges 18 blue chairs and 24 green chairs in rows. Each row has an equal number of chairs of the same colour. What is the greatest number of chairs that Mr Ong arrange in each row?

- ✓ A. 6
- B. 7
- C. 3
- D. 14

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Fri 22nd Oct 2021  
**Last Modified:** N/A  
**QID#:** 29,419,487

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## Question 6

Primary 6 Math » Primary 6 Math (Prelim)

1 pt

What is the price of a laptop after adding 7% GST?



- A. \$1395
- B. \$1493
- C. \$1507
- ✓ D. \$1605

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Fri 22nd Oct 2021  
**Last Modified:** N/A  
**QID#:** 29,419,492

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## Question 7

Primary 6 Math » Primary 6 Math (Prelim)

1 pt

A group of pupils ran in a race. The table shows the number of pupils with the following times clocked in the race.

Time clocked (s)	150	151	153	155	157	158	160
Number of pupils	2	3	2	7	3	2	2

Prizes were given to the top 7 pupils. Bryan won a prize. What was the slowest time he could have clocked?

- A. 150s
- ✓ B. 153s
- C. 155s
- D. 157s

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Fri 22nd Oct 2021  
**Last Modified:** N/A  
**QID#:** 29,419,494

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## Question 8

Primary 6 Math » Primary 6 Math (Prelim)

1 pt

$\frac{3}{10}$  of the seats in an aeroplane are business class seats while the rest are economy class seats.  $\frac{3}{5}$  of the economy class seats are occupied.  
 What fraction of all the seats in the aeroplane are unoccupied economy class seats?

✓ A.

$$\frac{2}{5} \times \frac{7}{10}$$

B.

$$\frac{2}{5} \times \frac{3}{10}$$

C.

$$\frac{3}{5} \times \frac{3}{10}$$

D.

$$\frac{3}{5} \times \frac{7}{10}$$

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Fri 22nd Oct 2021  
**Last Modified:** N/A  
**QID#:** 29,419,506

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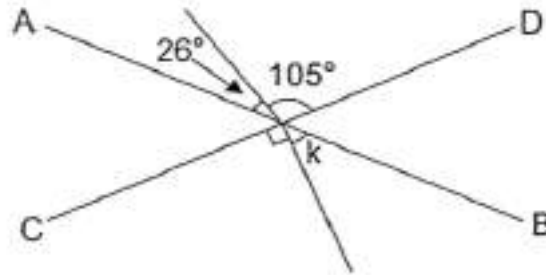
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## Question 9

Primary 6 Math » Primary 6 Math (Prelim)

1 pt

In the figure, AB and CD are straight lines. Find  $\angle k$ .



- A. 16
- B. 26
- ✓ C. 41
- D. 49

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Fri 22nd Oct 2021  
**Last Modified:** N/A  
**QID#:** 29,419,508

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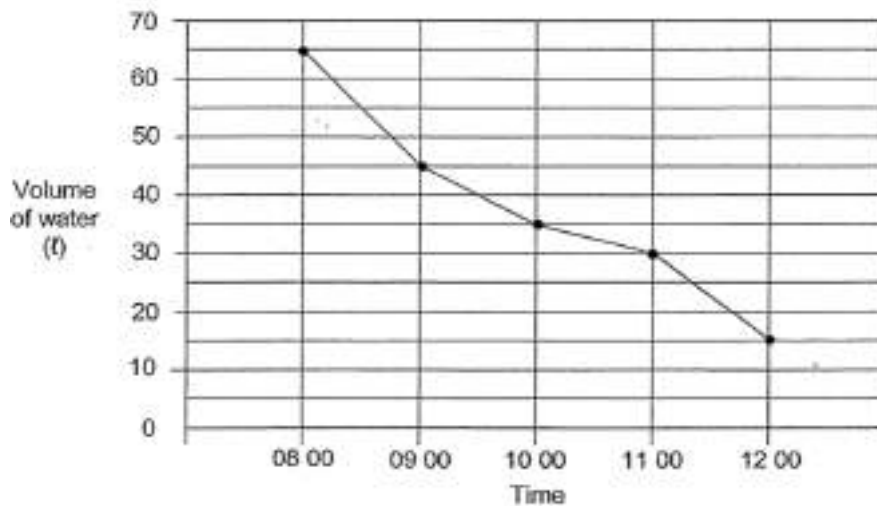
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## Question 10

Primary 6 Math » Primary 6 Math (Prelim)

1 pt

A tank was filled with 65 l of water at 08 00. Water flowed out of the tank from 08 00 to 12 00. The line graph shows the volume of water in the tank from 08 00 to 12 00.



During which one-hour period was the decrease in volume of water the greatest?



**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Fri 22nd Oct 2021  
**Last Modified:** N/A  
**QID#:** 29,419,522

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## Question 12

Primary 6 Math » Primary 6 Math (Prelim)

1 pt

Lin, Mat and Ned went for a run of different distances L, M and N respectively. During the run, they covered an equal distance before they stopped for a water break. At that time, Lin had completed  $\frac{1}{2}$  of distance L, Mat had completed  $\frac{2}{3}$  of distance M and Ned had completed  $\frac{3}{5}$  of distance N. What is the ratio of the distance L to distance M to distance N?

- A. 1:2:3
- B. 2:3:5
- ✓ C. 12:9:10
- D. 15:20:18

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Fri 22nd Oct 2021  
**Last Modified:** N/A  
**QID#:** 29,419,526

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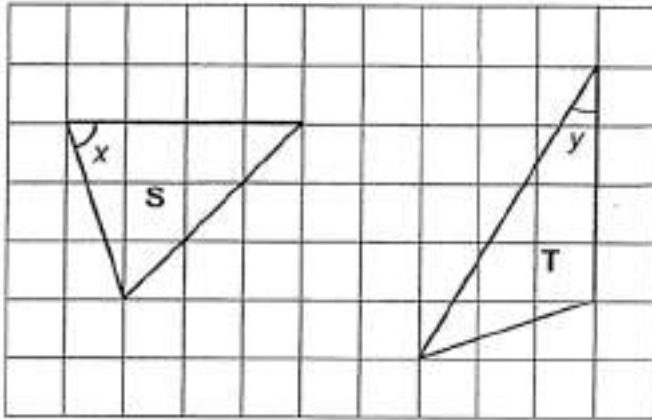
## Question 13

Primary 6 Math » Primary 6 Math (Prelim)

1 pt



Two figures S and T are shown in the square grid below.



Which of the following statement(s) is/are true?

- A.  $\angle x + \angle y = 90^\circ$
- B. Figure S has the same area as Figure T.
- C. Figure S has the same perimeter as Figure T.

- A. B only
- B. C only
- C. A and B only
- D. A and C only

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Fri 22nd Oct 2021  
**Last Modified:** N/A  
**QID#:** 29,419,532

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## Question 14

Primary 6 Math » Primary 6 Math (Prelim)

1 pt

The figure is made up of a semicircle and a quarter circle of the same radius 4 cm. What is the perimeter of the shaded figure?  
 Give your answer in terms of  $\pi$ .



- A.  $6\pi\text{cm}$
- B.  $12\pi\text{cm}$
- ✓ C.  $(6\pi+8)\text{cm}$
- D.  $(6\pi+12)\text{cm}$

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Fri 22nd Oct 2021  
**Last Modified:** N/A  
**QID#:** 29,419,541

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## Question 15

Primary 6 Math » Primary 6 Math (Prelim)

1 pt

Mdm Loke made  $\frac{5}{6}$  ℓ of drink. She poured the drink into as many cups of  $\frac{1}{3}$  ℓ as possible and had some drink left. What was the volume of the drink left?

A.

$$\frac{5}{12} \text{ ℓ}$$

B.

$$\frac{1}{2} \text{ ℓ}$$

C.

$$\frac{1}{3} \text{ ℓ}$$

✓ D.

$$\frac{1}{6} \text{ ℓ}$$

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Fri 22nd Oct 2021  
**Last Modified:** N/A  
**QID#:** 29,419,546

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## Question 16

Primary 6 Math » Primary 6 Math (Prelim)

1 pt

Express 0.7% as a fraction

**Accepted answers:**

✓ 7/1000

**Question Type:** Free Text  
**Date Added:** Fri 22nd Oct 2021  
**Last Modified:** N/A  
**QID#:** 29,419,547

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## Question 17

Primary 6 Math » Primary 6 Math (Prelim)

1 pt

Find the value of  $\frac{10k}{4} - 2k + 3$  when  $k = 10$ .

**Accepted answers:**

✓ 8

**Question Type:** Free Text  
**Date Added:** Fri 22nd Oct 2021  
**Last Modified:** N/A  
**QID#:** 29,419,576

### Correctly answered feedback

$10/4 - 2k + 3 = 100/4 - 20 + 3 = 25 - 20 + 3$   
 $= 5 + 3 = 8$

### Incorrectly answered feedback

$10/4 - 2k + 3 = 100/4 - 20 + 3 = 25 - 20 + 3$   
 $= 5 + 3 = 8$

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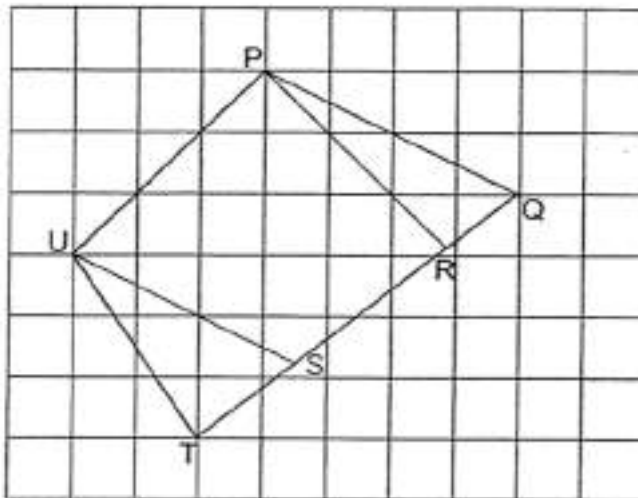
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## Question 18

Primary 6 Math » Primary 6 Math (Prelim)

1 pt

Refer to the figure below to answer questions 19 and 20.



Name the two lines that are parallel to each other.

- A. UP
- ✓ B. PQ
- C. PR
- ✓ D. US
- E. UT
- F. TS
- G. TR
- H. RQ
- I. TQ
- J. SR

**Question Type:** Multiple Response  
**Randomize Answers:** No  
**Grade style:** Full points if all answers are correct  
**Date Added:** Fri 22nd Oct 2021  
**Last Modified:** N/A  
**QID#:** 29,419,609

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## Question 19

Primary 6 Math » Primary 6 Math (Prelim)

1 pt

Name the two lines that are perpendicular to each other

- ✓ A. UP
- B. PQ

- ✓ C. PR
- D. US
- E. UT
- F. TS
- G. TR
- H. TQ
- I. SR
- J. RQ

**Question Type:** Multiple Response  
**Randomize Answers:** No  
**Grade style:** Full points if all answers are correct  
**Date Added:** Fri 22nd Oct 2021  
**Last Modified:** N/A  
**QID#:** 29,419,614

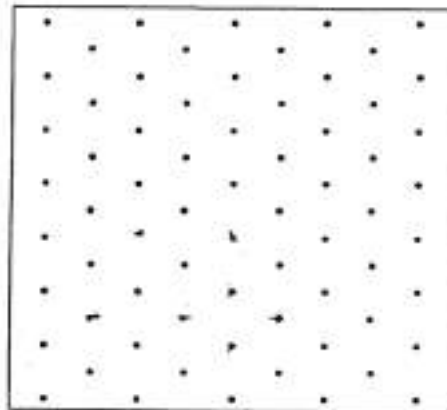
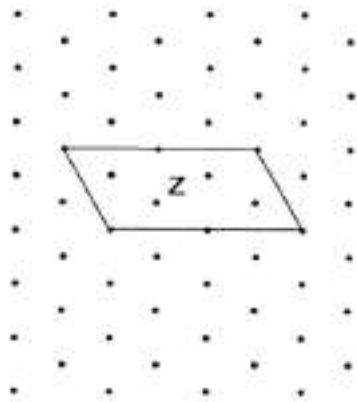
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### Question 20

Primary 6 Math » Primary 6 Math (Prelim)

0 pts

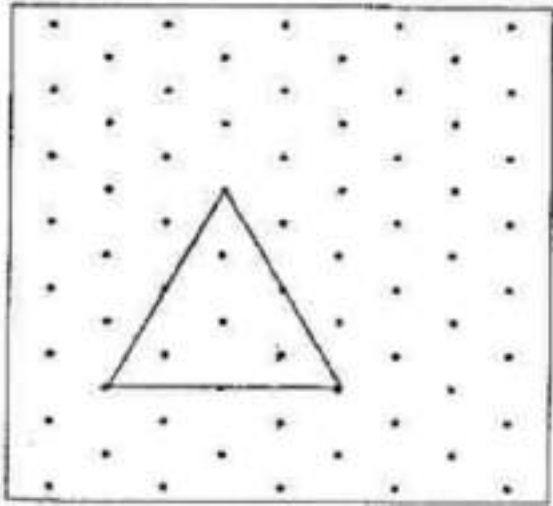
Draw an equilateral triangle with the same area and perimeter as Figure Z in the box provided.



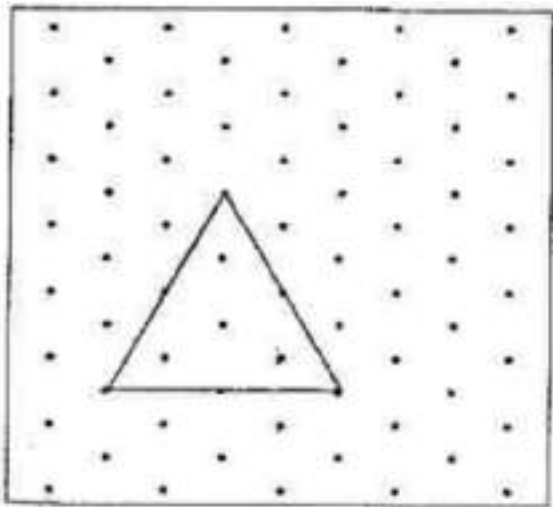
Please type "done" to proceed to the next question

**Question Type:** Essay  
**Date Added:** Fri 22nd Oct 2021  
**Last Modified:** N/A  
**QID#:** 29,419,618

**Correctly answered feedback**



*Incorrectly answered feedback*



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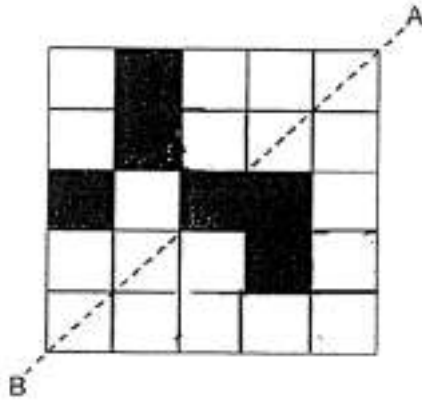
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### Question 21

Primary 6 Math » Primary 6 Math (Prelim)

0 pts

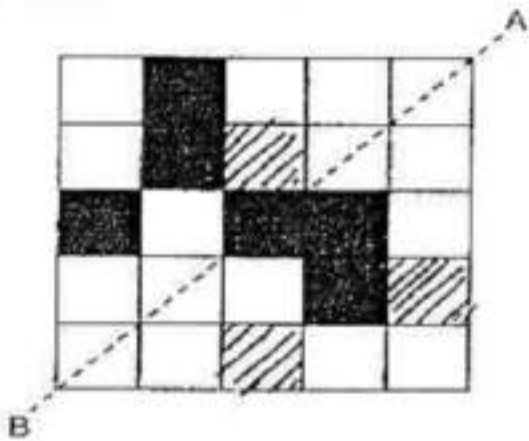
There are 6 shaded squares in the figure. Shade 3 more squares to form a symmetric figure with AB as the line of symmetry.



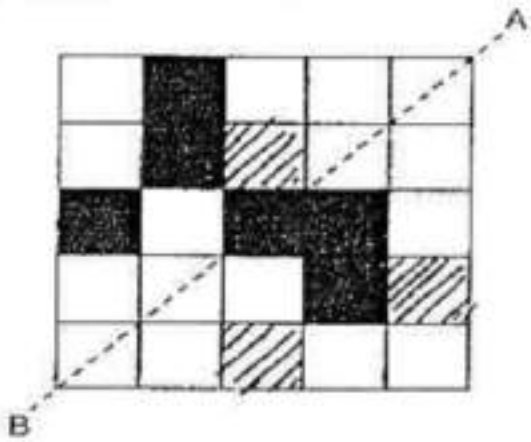
Please type "done" to proceed to the next question

**Question Type:** Essay  
**Date Added:** Fri 22nd Oct 2021  
**Last Modified:** N/A  
**QID#:** 29,419,620

**Correctly answered feedback**



**Incorrectly answered feedback**



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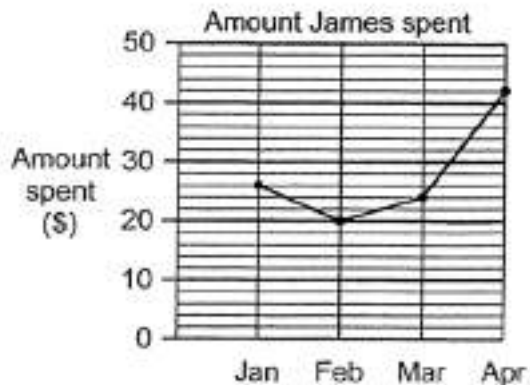
## Question 22

Primary 6 Math » Primary 6 Math (Prelim)

1 pt

James received a fixed amount of allowance from his parents each month. Every month, James spent some of his allowance and saved the rest of the allowance in his savings box.

The graph shows the amount of money he spent each month.



a) In which month did he save the most of his allowance in his savings box?

- A. Jan
- ✓ B. Feb
- C. Mar
- D. April

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Fri 22nd Oct 2021  
**Last Modified:** N/A



QID#: 29,419,624

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[Remove From Test](#)**Question 23**

Primary 6 Math » Primary 6 Math (Prelim)

1 pt

b) In April,  $\frac{3}{4}$  of the amount James spent was on food. How much did he spend on food?

**Accepted answers:**

✓ 31.5

**Question Type:** Free Text**Date Added:** Fri 22nd Oct 2021**Last Modified:** N/A**QID#:** 29,419,628**Correctly answered feedback**

$$\text{b) } \frac{3}{2} \times \frac{21}{1} = \frac{63}{2} \\ = 31.5$$

**Incorrectly answered feedback**

$$\text{b) } \frac{3}{2} \times \frac{21}{1} = \frac{63}{2} \\ = 31.5$$

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[Remove From Test](#)**Question 24**

Primary 6 Math » Primary 6 Math (Prelim)

1 pt

In 1 minute, Machine A can pack 3 boxes of biscuits while Machine B can pack 4 boxes of biscuits. Both machines started packing at 12.50pm. At what time will both machines pack 105 boxes of biscuits in total? Leave your answer in the 24 hour clock

**Accepted answers:**

✓ 1305

✓ 13 05

**Question Type:** Free Text  
**Date Added:** Fri 22nd Oct 2021  
**Last Modified:** N/A  
**QID#:** 29,419,637

**Correctly answered feedback**

3+4=7  
 105/7=15  
 13 05

**Incorrectly answered feedback**

3+4=7  
 105/7=15  
 13 05

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**Question 25**

Primary 6 Math » Primary 6 Math (Prelim)

1 pt

Samantha wanted to fill 24 similar bottles completely with the drink she made but found that she needed an additional 3.1L of the drink. Instead, she filled 18 similar bottles and had 5.3L of the drink left. What was the capacity of one such bottle?

**Accepted answers:**

- ✓ 1.4
- ✓ 1.4L
- ✓ 1.4 L

**Question Type:** Free Text  
**Date Added:** Fri 22nd Oct 2021  
**Last Modified:** N/A  
**QID#:** 29,419,650

**Correctly answered feedback**

5.3+3.1=8.4  
 24-16=6  
 8.4/6=1.4

**Incorrectly answered feedback**

5.3+3.1=8.4  
 24-16=6  
 8.4/6=1.4

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**Question 26**

Primary 6 Math » Primary 6 Math (Prelim)

1 pt

The table shows the charges for fishing rod rental at a fishing pond.

FISHING ROD RENTAL	
For the first hour	\$8
For every additional $\frac{1}{2}$ hour	\$3

Tim has \$32 and wants to rent a fishing rod. What is the greatest number of hours Tim can rent the fishing rod for?

Accepted answers:

✓ 5

**Question Type:** Free Text  
**Date Added:** Fri 22nd Oct 2021  
**Last Modified:** N/A  
**QID#:** 29,419,653

**Correctly answered feedback**

32-8=24  
 24/3=8  
 8x0.5=4  
 4+1=5

**Incorrectly answered feedback**

32-8=24  
 24/3=8  
 8x0.5=4  
 4+1=5

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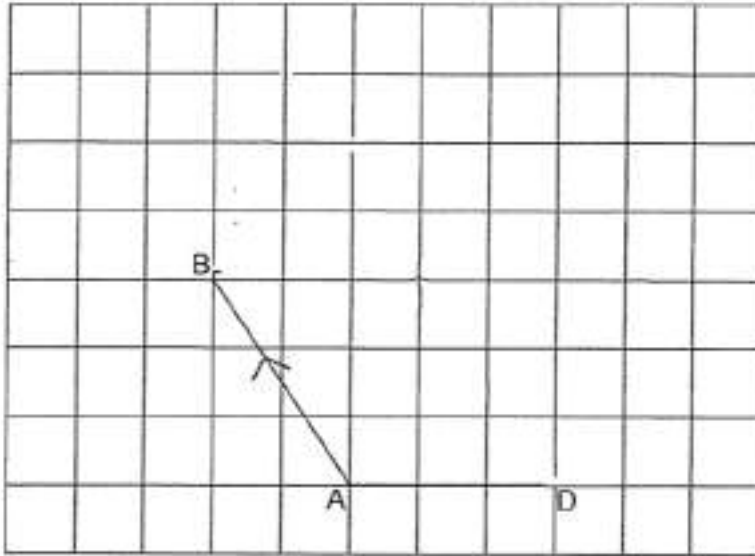
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## Question 27

Primary 6 Math » Primary 6 Math (Prelim)

0 pts

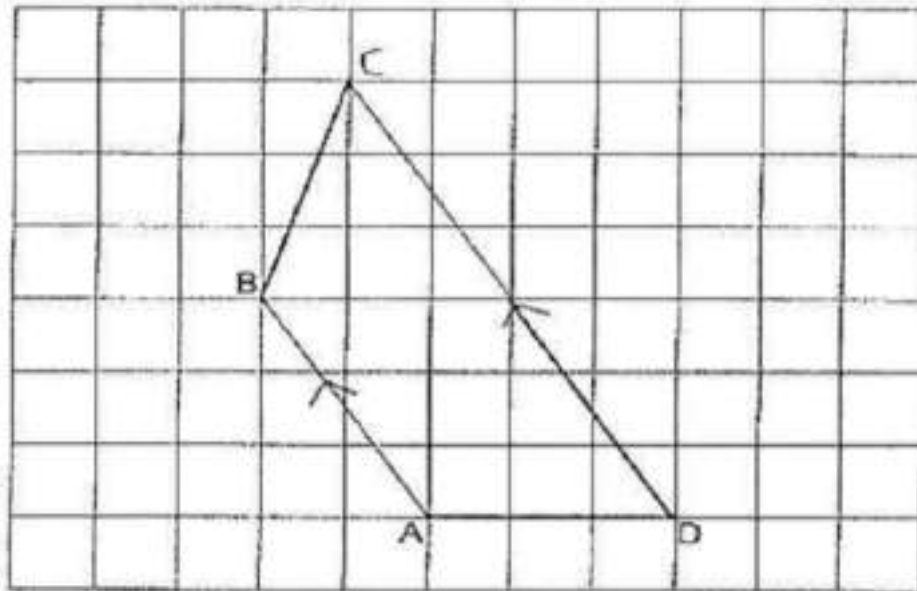
In the square grid below, AB and AD are two sides of a trapezium ABCD. AB is parallel to CD and the length of CD is twice the length of AB. Complete the trapezium by drawing the other two sides.



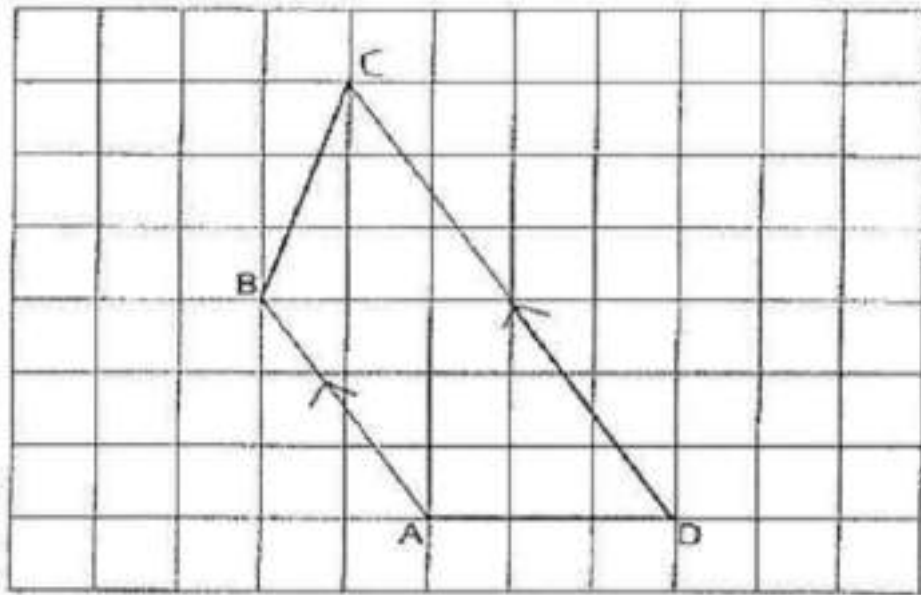
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**Question Type:** Essay  
**Date Added:** Fri 22nd Oct 2021  
**Last Modified:** N/A  
**QID#:** 29,419,661

**Correctly answered feedback**



**Incorrectly answered feedback**



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## Question 28

Primary 6 Math » Primary 6 Math (Prelim)

1 pt

Luke needed some piece of tape, each of length 8cm, to seal some boxes. He bought 3 rolls of tape measuring 100cm each. What was the greatest number of 8cm tapes that Luke could cut from the 3 rolls of tape?

Accepted answers:

✓ 36

**Question Type:** Free Text  
**Date Added:** Fri 22nd Oct 2021  
**Last Modified:** N/A  
**QID#:** 29,419,670

### Correctly answered feedback

$100/8=12R4$   
 $12 \times 3=36$

### Incorrectly answered feedback

$100/8=12R4$   
 $12 \times 3=36$

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## Question 29

Primary 6 Math » Primary 6 Math (Prelim)

1 pt

John had \$60 more than Kurt at first. Kurt gave \$12 to John. John then had 3 times as much money as Kurt. How much money did Kurt have in the end?

**Accepted answers:**

- ✓ 42
- ✓ \$42
- ✓ \$ 42

**Question Type:** Free Text  
**Date Added:** Fri 22nd Oct 2021  
**Last Modified:** N/A  
**QID#:** 29,419,683

**Correctly answered feedback**

$$2u = 12 + 60 + 12 = 84$$

$$1u = 42$$

**Incorrectly answered feedback**

$$2u = 12 + 60 + 12 = 84$$

$$1u = 42$$

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## Question 30

Primary 6 Math » Primary 6 Math (Prelim)

1 pt

Kevin cuts a square paper along the dotted lines as shown in Figure 1 to get 3 identical rectangular pieces of paper. Rectangle ABCD in Figure 2 is one such rectangular paper with a perimeter of 56 cm. What is the length of one side of the square paper in Figure 1?

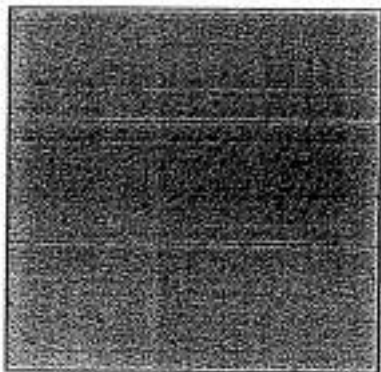


Figure 1

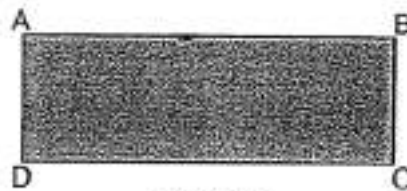


Figure 2

**Accepted answers:**

- ✓ 21

**Question Type:** Free Text  
**Date Added:** Fri 22nd Oct 2021  
**Last Modified:** N/A  
**QID#:** 29,419,688

**Correctly answered feedback**

$3u+1u+3u+1u=8u$   
 $8u=56$   
 $1u=7$   
 $3u=21$

**Incorrectly answered feedback**

$3u+1u+3u+1u=8u$   
 $8u=56$   
 $1u=7$   
 $3u=21$

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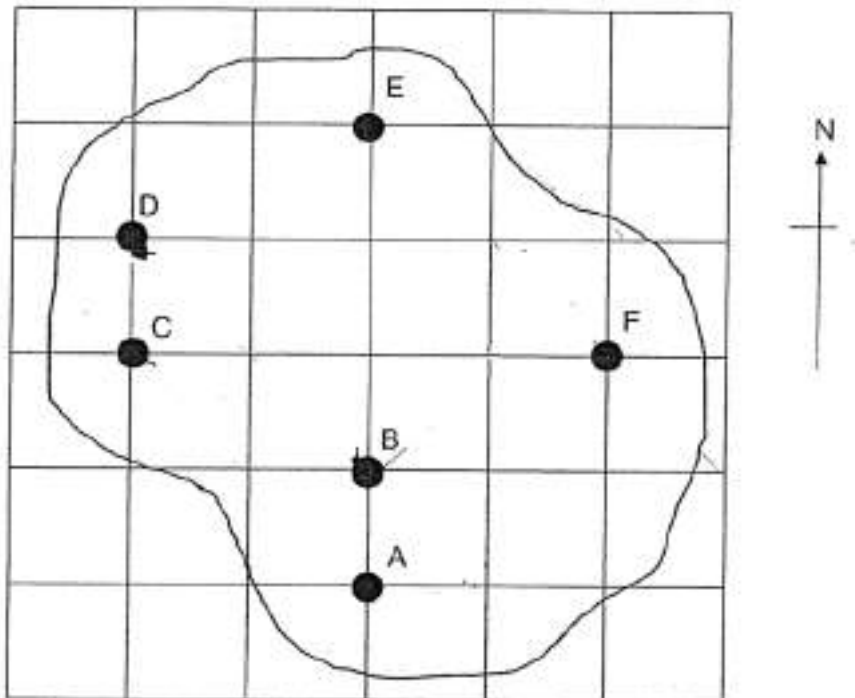
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**Question 31**

Primary 6 Math » Primary 6 Math (Prelim)

1 pt

The square grid shows the position of points A, B, C, D, E and F.



a) In which direction is point A from point C?

Accepted answers:

✓ southeast

✓ South East

✓ South-East

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**Question Type:** Free Text  
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**Last Modified:** N/A  
**QID#:** 29,419,747

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## Question 32

Primary 6 Math » Primary 6 Math (Prelim)

1 pt

b) Jamie stood at one of the points facing point B. After she turned 45 anti-clockwise, she faced point . Which point was Jamie at before she turned?

A. A

B. B

C. C

D. D

✓ E. E

---

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Fri 22nd Oct 2021  
**Last Modified:** N/A  
**QID#:** 29,419,758

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

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## Question 33

Primary 6 Math » Primary 6 Math (Prelim)

1 pt

Penny had 16 twenty-cent coins and 20 fifty cent coins. Richard had as many coins as Penny but had \$2.10 less. How many twenty cent coins did Richard have?

**Accepted answers:**

✓ 23

---

**Question Type:** Free Text  
**Date Added:** Fri 22nd Oct 2021  
**Last Modified:** N/A  
**QID#:** 29,419,768

**Correctly answered feedback**



50-20=30  
210/30=7  
16+7=23

**Incorrectly answered feedback**

50-20=30  
210/30=7  
16+7=23

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

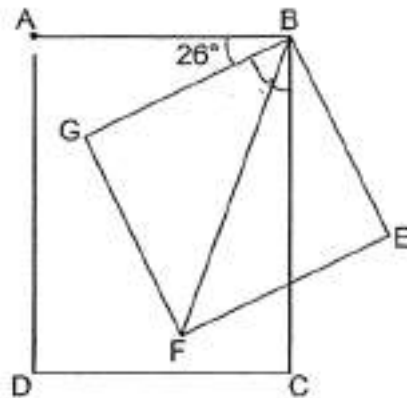
[Remove From Test](#)

**Question 34**

Primary 6 Math » Primary 6 Math (Prelim)

1 pt

In the figure, ABCD is a rectangle. BEFG is a square and  $\angle ABG = 26^\circ$ .  
Find  $\angle FBC$ .

**Accepted answers:**

✓ 19

**Question Type:** Free Text  
**Date Added:** Fri 22nd Oct 2021  
**Last Modified:** N/A  
**QID#:** 29,419,771

**Correctly answered feedback**

90-26-45=19

**Incorrectly answered feedback**

90-26-45=19

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

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**Question 35**

Primary 6 Math » Primary 6 Math (Prelim)

1 pt

The length of pencil B is  $\frac{9}{10}$  the length of pencil A.  
Find the length of pencil A.



Accepted answers:

✓ 12

**Question Type:** Free Text  
**Date Added:** Fri 22nd Oct 2021  
**Last Modified:** N/A  
**QID#:** 29,419,774

**Correctly answered feedback**

$9u+3=10u+1.8$   
 $1u=1.2$   
 $10u=12$

**Incorrectly answered feedback**

$9u+3=10u+1.8$   
 $1u=1.2$   
 $10u=12$

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

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## Question 36

Primary 6 Math » Primary 6 Math (Prelim)

1 pt

For a recycling project, Edmund collected 20 bottles and Fred collected  $7k+8$  bottles. They collected 154 bottles altogether. What is the value of  $k$ ?

Accepted answers:

✓ 18

**Question Type:** Free Text  
**Date Added:** Fri 22nd Oct 2021  
**Last Modified:** N/A

QID#: 29,419,785

**Correctly answered feedback**

$$20+7k+8=7k+28$$

$$7k+28=154$$

$$7k=126$$

$$k=18$$
**Incorrectly answered feedback**

$$20+7k+8=7k+28$$

$$7k+28=154$$

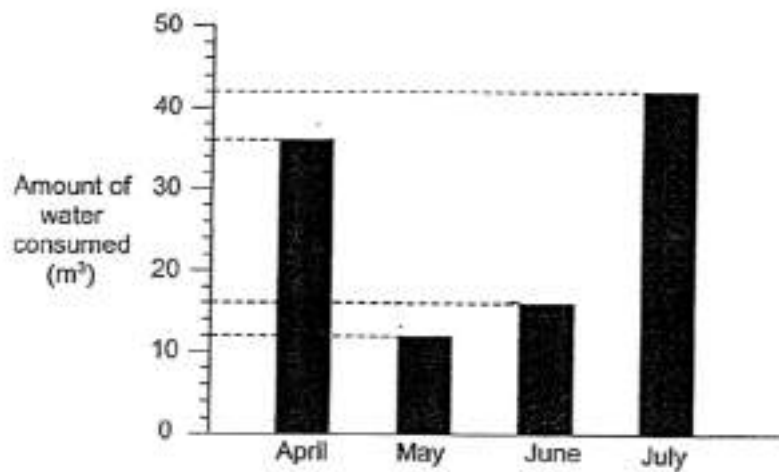
$$7k=126$$

$$k=18$$
[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)
[Remove From Test](#)**Question 37**

Primary 6 Math » Primary 6 Math (Prelim)

1 pt

The bar graph shows the amount of water consumed by a family from April to July.



a) How many times was the amount of water consumed in April as compared to May?

Accepted answers:

✓ 3

**Question Type:** Free Text  
**Date Added:** Fri 22nd Oct 2021  
**Last Modified:** N/A  
**QID#:** 29,419,787

**Correctly answered feedback**

36/12=3

**Incorrectly answered feedback**

36/12=3

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

[Remove From Test](#)

## Question 38

Primary 6 Math » Primary 6 Math (Prelim)

1 pt

b) What was the percentage increase in the amount of water consumed by the family in July compared to June?

**Accepted answers:**

✓ 162.5%

✓ 162.5 %

✓ 162.5

**Question Type:** Free Text  
**Date Added:** Fri 22nd Oct 2021  
**Last Modified:** N/A  
**QID#:** 29,419,795

**Correctly answered feedback**

42-16=26  
 $26/16 \times 100\% = 162.5\%$

**Incorrectly answered feedback**

42-16=26  
 $26/16 \times 100\% = 162.5\%$

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

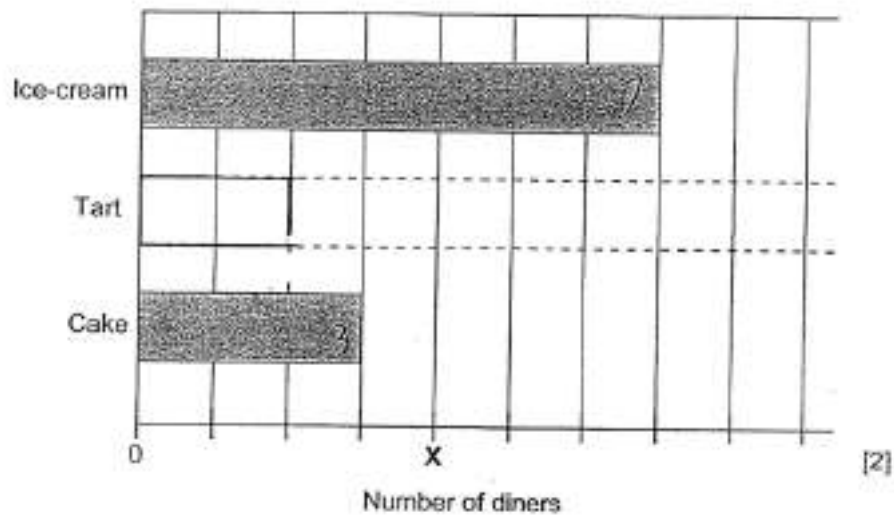
[Remove From Test](#)

## Question 39

Primary 6 Math » Primary 6 Math (Prelim)

1 pt

Ice-cream, tart and cake were available as dessert at a dinner. Each diner was asked to choose one dessert. The bar graph represents the diners' choices. The number of diners is not shown on the scale and the bar that shows the number of diners who chose tart has not been drawn.



- a) What was the ratio of the number of diners who chose cake to the number of diners who chose ice-cream?

Accepted answers:

✓ 3:7

**Question Type:** Free Text  
**Date Added:** Fri 22nd Oct 2021  
**Last Modified:** N/A  
**QID#:** 29,419,807

**Correctly answered feedback**

$4 \times 3 = 12$   
 $12 - 7 - 3 = 2$   
 3:7

**Incorrectly answered feedback**

$4 \times 3 = 12$   
 $12 - 7 - 3 = 2$   
 3:7

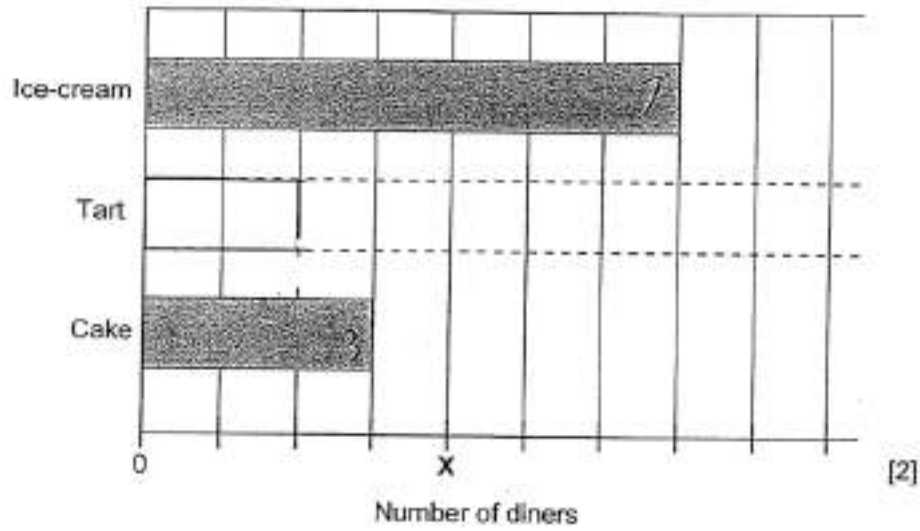
[Answers](#) | 
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## Question 40

Primary 6 Math » Primary 6 Math (Prelim)

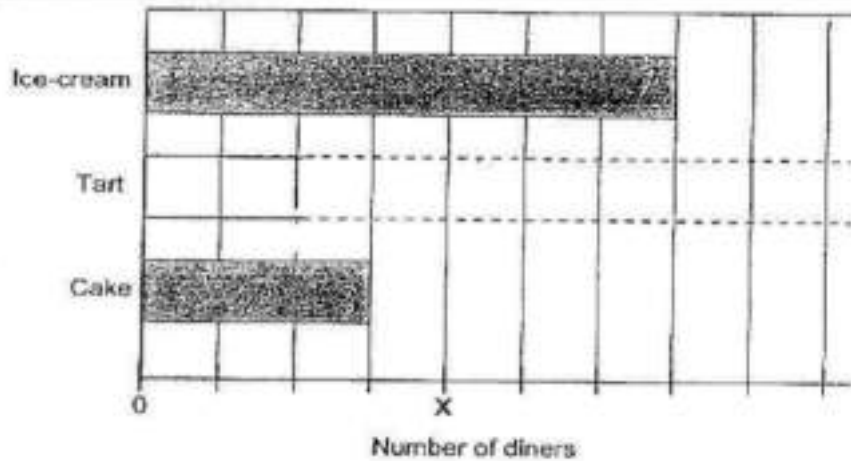
0 pts



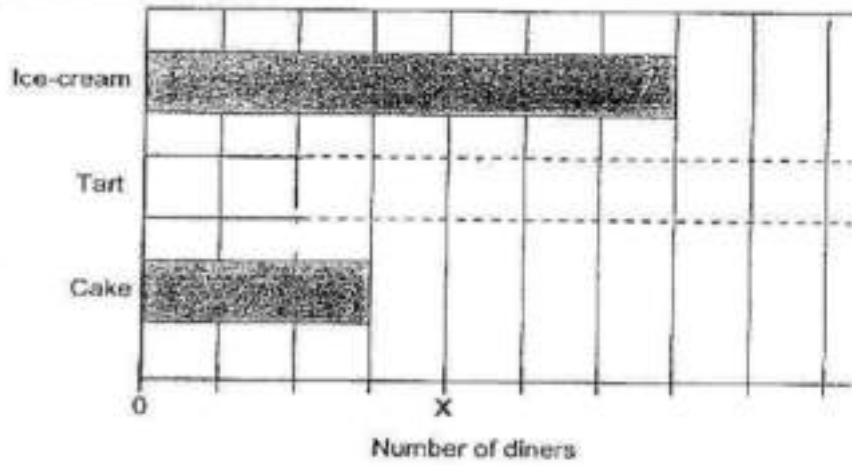
b) 'X' was the average number of diners who chose a dessert at the dinner. Draw the bar to represent the number of diners who chose tart in the graph.

**Question Type:** Essay  
**Date Added:** Fri 22nd Oct 2021  
**Last Modified:** Fri 22nd Oct 2021  
**QID#:** 29,419,811

**Correctly answered feedback**



**Incorrectly answered feedback**



[Answers](#) | 
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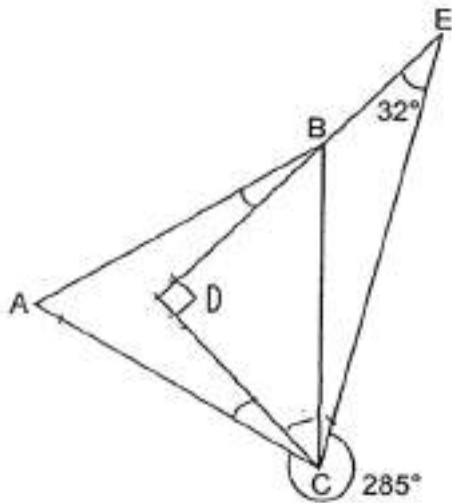
### Question 41

Primary 6 Math » Primary 6 Math (Prelim)

1 pt

In the figure below, ABC is an equilateral triangle and CDE is a right-angled triangle. Point B of the equilateral triangle lies on the side DE of the right-angled triangle.  $\angle DEC = 32^\circ$  and  $\angle ECA = 285^\circ$ .

Find  $\angle ABD$ .



Accepted answers:

✓ 13

**Question Type:** Free Text  
**Date Added:** Fri 22nd Oct 2021  
**Last Modified:** N/A  
**QID#:** 29,419,821

**Correctly answered feedback**

180-32-90=58  
 360-90=370  
 360-58-285=17  
 360-60-270-17=13

**Incorrectly answered feedback**

180-32-90=58  
 360-90=370  
 360-58-285=17  
 360-60-270-17=13

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

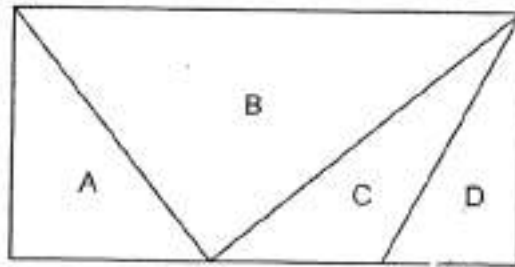
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**Question 42**

Primary 6 Math » Primary 6 Math (Prelim)

1 pt

A rectangle is made up of four triangles A, B, C and D. The area of A to the area of the rectangle is 1 : 5 while the area of D to the area of the rectangle is 1 : 7.



The area of B is  $140 \text{ cm}^2$ . What is the area of C?

Accepted answers:

✓ 44

**Question Type:** Free Text  
**Date Added:** Fri 22nd Oct 2021  
**Last Modified:** N/A  
**QID#:** 29,419,829

**Correctly answered feedback**

$140 \times 2 = 280$   
 $5u - 2.5u - 1u - 5/7u = 11/14u$   
 $5u = 280$   
 $1u = 56$   
 $11/14u = 44$

**Incorrectly answered feedback**



140x2=280  
 5u-2.5u-1u-5/7u=11/14u  
 5u=280  
 1u=56  
 11/14u=44

Answers | Edit | Duplicate | Used In | Reorder

Remove From Test

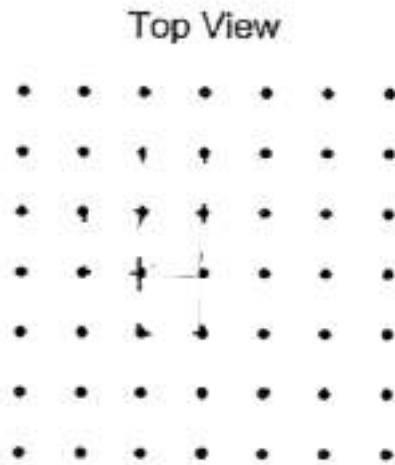
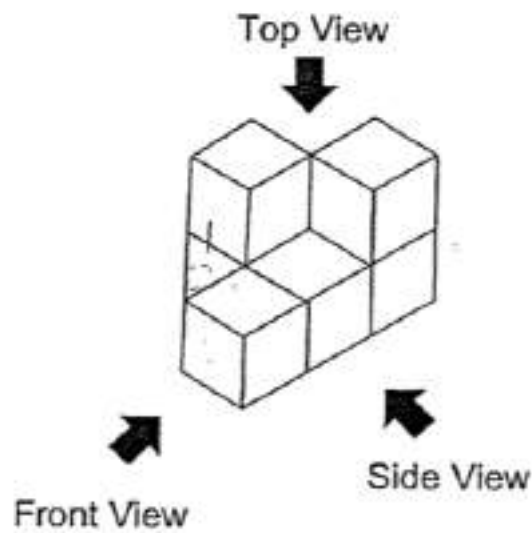
### Question 43

Primary 6 Math » Primary 6 Math (Prelim)

0 pts

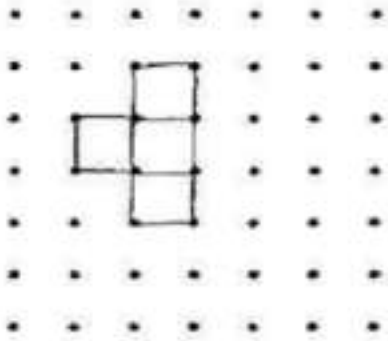
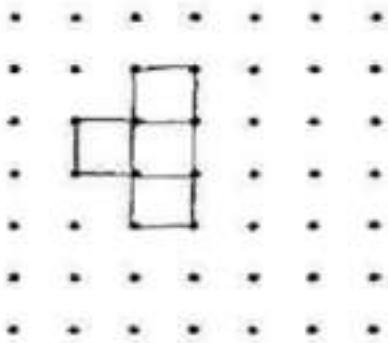
The solid below is made up of 6 identical cubes.

a) Draw the top view of the solid on the grid below.



Please type "done" to proceed to the next question

**Question Type:** Essay  
**Date Added:** Fri 22nd Oct 2021  
**Last Modified:** N/A  
**QID#:** 29,419,844

**Correctly answered feedback****Incorrectly answered feedback**

[↗ Answers](#) | 
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 [📌 Used In](#) | 
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**Question 44**

Primary 6 Math » Primary 6 Math (Prelim)

1 pt

b) Linus painted the whole solid including the base. The total area painted is  $416\text{cm}^2$ . What is the length of one edge of each cube?

**Accepted answers:**

✓ 16

**Question Type:** Free Text  
**Date Added:** Fri 22nd Oct 2021  
**Last Modified:** N/A  
**QID#:** 29,419,850

**Correctly answered feedback**

$6 \times 6 = 36$   
 $36 - 10 = 26$   
 $416 / 26 = 16$   
 $4 \times 4 = 16$

**Incorrectly answered feedback**

$6 \times 6 = 36$

$36 - 10 = 26$

$416 / 26 = 16$

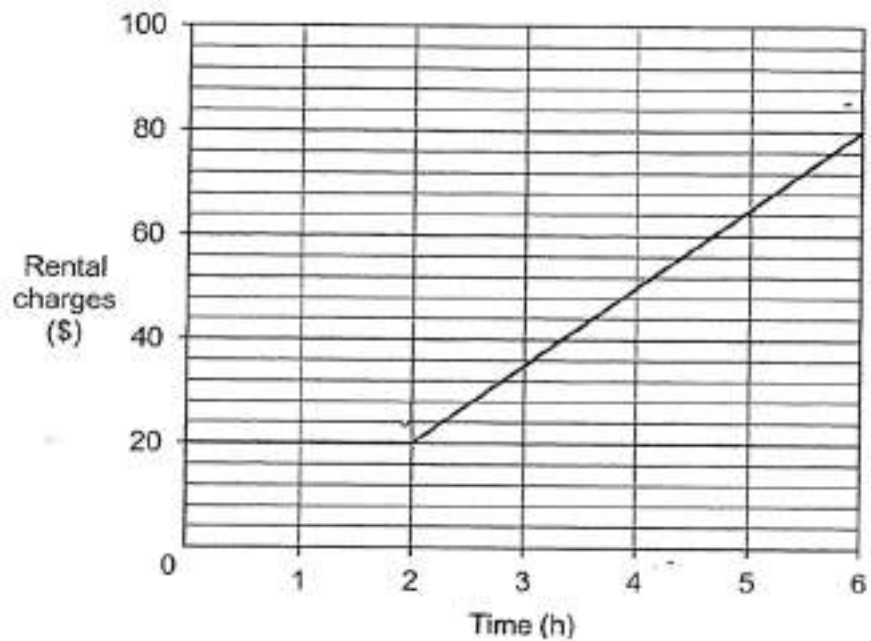
$4 \times 4 = 16$

[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)[Remove From Test](#)**Question 45**

Primary 6 Math » Primary 6 Math (Prelim)

1 pt

The graph shows the rental charges for a recreation room for the first 6 hours.



a) How much is the rental charge for the recreation room for the first hour?

**Accepted answers:**

✓ \$20

✓ \$ 20

✓ 20

**Question Type:** Free Text**Date Added:** Fri 22nd Oct 2021**Last Modified:** N/A**QID#:** 29,419,854[Answers](#) | [Edit](#) | [Duplicate](#) | [Used In](#) | [Reorder](#)[Remove From Test](#)

**Question 46**

Primary 6 Math » Primary 6 Math (Prelim)

1 pt

b) How much is the rental charge for every hour after the first 2 hours of use?

**Accepted answers:**

- ✓ \$15
- ✓ \$ 15
- ✓ 15

---

**Question Type:** Free Text  
**Date Added:** Fri 22nd Oct 2021  
**Last Modified:** N/A  
**QID#:** 29,419,856

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

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**Question 47**

Primary 6 Math » Primary 6 Math (Prelim)

1 pt

c) The rate for rental charge remains the same after the 6th hour. How much is the rental charge for 7 hours?

**Accepted answers:**

- ✓ \$95
- ✓ \$ 95
- ✓ 95

---

**Question Type:** Free Text  
**Date Added:** Fri 22nd Oct 2021  
**Last Modified:** N/A  
**QID#:** 29,419,858

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

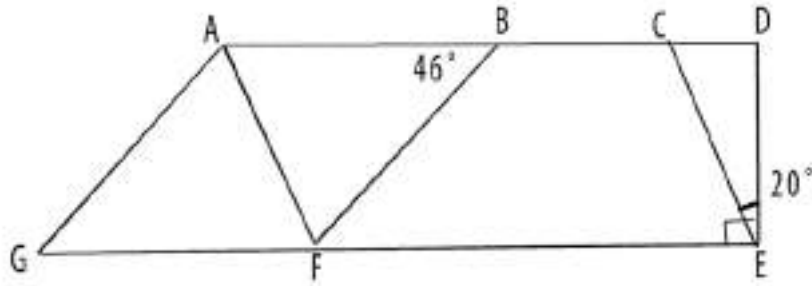
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**Question 48**

Primary 6 Math » Primary 6 Math (Prelim)

1 pt

In the figure below, ABF and AFG are isosceles triangles with  $BA = BF$  and  $GA = GF$  respectively. AF is parallel to CE.  $\angle DEF$  is a right angle. ABC is a straight line.



a) Find  $\angle BCE$ .

Accepted answers:

✓ 113

**Question Type:** Free Text  
**Date Added:** Fri 22nd Oct 2021  
**Last Modified:** N/A  
**QID#:** 29,419,860

**Correctly answered feedback**

180-67=113

**Incorrectly answered feedback**

180-67=113

[Answers](#) | 
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## Question 49

Primary 6 Math » Primary 6 Math (Prelim)

1 pt

Statement : ABFG is a rhombus

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

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Fri 22nd Oct 2021  
**Last Modified:** N/A

QID#: 29,419,862

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

## Question 50

Primary 6 Math » Primary 6 Math (Prelim)

1 pt

Statement : ACEF is a parallelogram

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

**Question Type:** Multiple Choice  
**Randomize Answers:** No  
**Date Added:** Fri 22nd Oct 2021  
**Last Modified:** N/A  
**QID#:** 29,419,865

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

## Question 51

Primary 6 Math » Primary 6 Math (Prelim)

1 pt

Eggs were only sold in trays of 30 eggs at a shop.



Mr Lee bought some such trays of eggs and re-packed them into carton boxes of 12 eggs as shown below. He needed 6 more eggs to have exact carton boxes of 12 eggs and 26 more carton boxes than trays.



How many eggs did Mr Lee buy from the shop?

Accepted answers:

- ✓ 510

**Question Type:** Free Text  
**Date Added:** Fri 22nd Oct 2021  
**Last Modified:** N/A  
**QID#:** 29,419,869

**Correctly answered feedback**

30x5=150  
 150+6=156  
 26x12=312  
 312-6=306  
 306/18=17  
 17x30=510

**Incorrectly answered feedback**

30x5=150  
 150+6=156  
 26x12=312  
 312-6=306  
 306/18=17  
 17x30=510

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

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**Question 52**

Primary 6 Math » Primary 6 Math (Prelim)

1 pt

Mr Ang paid \$315 for 21 chairs. Mr Ba paid the same amount but got 4 more chairs than Mr Ang because he used a membership coupon that gave him a discount for every 4 chairs purchased.

a)How much would Mr Bay had paid for the chairs without the use of the membership coupon?

**Accepted answers:**

✓ 375

**Question Type:** Free Text  
**Date Added:** Fri 22nd Oct 2021  
**Last Modified:** N/A  
**QID#:** 29,419,882

**Correctly answered feedback**

21+4=25  
 315/12=15  
 15x25=375

**Incorrectly answered feedback**

21+4=25  
 315/12=15  
 15x25=375

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

[Remove From Test](#)

## Question 53

b) With the use of the membership coupon, how much was the discount for every 4 chairs purchased?

Accepted answers:

✓ 10

**Question Type:** Free Text

**Date Added:** Fri 22nd Oct 2021

**Last Modified:** N/A

**QID#:** 29,419,885

### Correctly answered feedback

$$315 - 15 = 300$$

$$300 / 6 = 50$$

$$60 - 50 = 10$$

### Incorrectly answered feedback

$$315 - 15 = 300$$

$$300 / 6 = 50$$

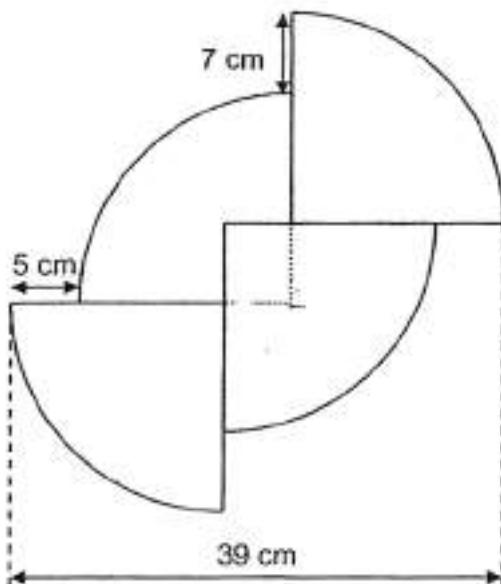
$$60 - 50 = 10$$

[Answers](#) | 
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## Question 54

The figure is made of 4 identical quarter circles with 2 quarter circles overlapping to form a rectangle.



a) What is the radius of each quarter circle?



## Accepted answers:

✓ 17

**Question Type:** Free Text  
**Date Added:** Fri 22nd Oct 2021  
**Last Modified:** N/A  
**QID#:** 29,419,889

**Correctly answered feedback**

39-5=34  
 34/2=17

**Incorrectly answered feedback**

39-5=34  
 34/2=17

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

[Remove From Test](#)**Question 55**

Primary 6 Math » Primary 6 Math (Prelim)

1 pt

b) Find the area of the figure.  
 Take  $\pi = 3.14$

## Accepted answers:

✓ 872.46

**Question Type:** Free Text  
**Date Added:** Fri 22nd Oct 2021  
**Last Modified:** N/A  
**QID#:** 29,419,893

**Correctly answered feedback**

17x17x3.14=907.46  
 7x5=353  
 907.46-35=872.46

**Incorrectly answered feedback**

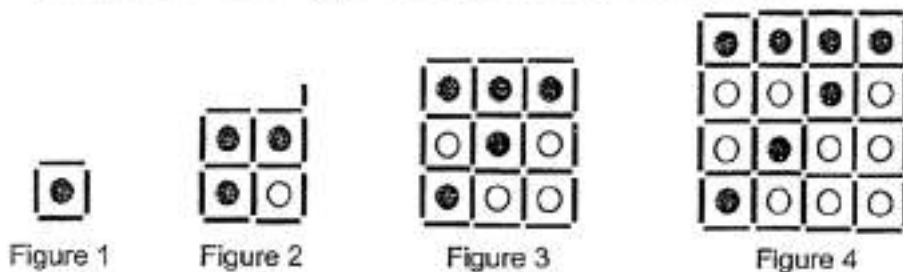
17x17x3.14=907.46  
 7x5=353  
 907.46-35=872.46

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

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## Question 56

Mabel used white dots, grey dots and sticks to form figures that follow a pattern. The first four figures of the pattern are shown below.



The table below shows the number of white dots, black dots and sticks used for each figure.

Figure Number	1	2	3	4	5
Number of white dots	0	1	4	9	
Number of grey dots	1	3	5	7	
Number of sticks	4	12	24	40	60

[1]

a) Fill in the table for Figure 5.

Accepted answers:

- ✓ 16,9
- ✓ 16, 9
- ✓ 16 ,9
- ✓ 16 , 9

**Question Type:** Free Text  
**Date Added:** Fri 22nd Oct 2021  
**Last Modified:** N/A  
**QID#:** 29,419,900

**Correctly answered feedback**

white - 0 1 3 9 (16)  
 grey - 1 3 5 7 (9)

**Incorrectly answered feedback**

white - 0 1 3 9 (16)  
 grey - 1 3 5 7 (9)

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

[Remove From Test](#)

## Question 57

Primary 6 Math » Primary 6 Math (Prelim)

1 pt

b) How many white dots are there in figure 50?

**Accepted answers:**

✓ 2401

**Question Type:** Free Text  
**Date Added:** Fri 22nd Oct 2021  
**Last Modified:** N/A  
**QID#:** 29,419,901

### Correctly answered feedback

$50-1=49$   
 $49 \times 49=2401$

### Incorrectly answered feedback

$50-1=49$   
 $49 \times 49=2401$

[Answers](#) | 
 [Edit](#) | 
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 [Used In](#) | 
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## Question 58

Primary 6 Math » Primary 6 Math (Prelim)

1 pt

c) What is the total number of sticks in figure 50?

**Accepted answers:**

✓ 5100

**Question Type:** Free Text  
**Date Added:** Fri 22nd Oct 2021  
**Last Modified:** N/A  
**QID#:** 29,419,906

### Correctly answered feedback

$50+1=51$   
 $51 \times 2=102$   
 $50 \times 102=5100$

### Incorrectly answered feedback

$50+1=51$   
 $51 \times 2=102$   
 $50 \times 102=5100$

[Answers](#) | 
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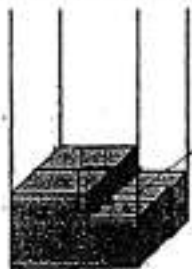
## Question 59

Primary 6 Math » Primary 6 Math (Prelim)

1 pt

Axel and Brady had some identical large cubes and some identical small cubes. Each of them had a rectangular box of the same base but different height. They packed their cubes into their own box with cubes of the same size stacked on top of each other.

The figure below shows the first layer of cubes packed in each box.



a) Axel's box was packed tightly to the brim without any gaps. There were 50 more small cubes than large cubes. How many cubes were packed into the box altogether?

Accepted answers:

✓ 130

**Question Type:** Free Text  
**Date Added:** Fri 22nd Oct 2021  
**Last Modified:** N/A  
**QID#:** 29,419,912

### Correctly answered feedback

2 large = 3 small  
 1 set → 4 large + 9 small cubes  
 $50/5=10$   
 $4+9=13$   
 $10 \times 13=130$

### Incorrectly answered feedback

2 large = 3 small  
 1 set → 4 large + 9 small cubes  
 $50/5=10$   
 $4+9=13$   
 $10 \times 13=130$

[Answers](#) | 
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## Question 60

b) In Brady's box, the space occupied by all the large cubes and that of the small cubes was the same. What fraction of the cubes was the small cubes?

### Accepted answers:

✓ 27/35

**Question Type:** Free Text

**Date Added:** Fri 22nd Oct 2021

**Last Modified:** N/A

**QID#:** 29,419,920

### Correctly answered feedback

common height - 6cm

$$6/3=2$$

$$6/2=3$$

$$3 \times 3 \times 3 = 27$$

$$\text{small} = 2 \times 2 \times 2 = 8$$

$$216/27=8$$

$$216/8=27$$

$$8+27=35$$

### Incorrectly answered feedback

common height - 6cm

$$6/3=2$$

$$6/2=3$$

$$3 \times 3 \times 3 = 27$$

$$\text{small} = 2 \times 2 \times 2 = 8$$

$$216/27=8$$

$$216/8=27$$

$$8+27=35$$

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

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