Test: Primary 5 Maths (Term 4) - Catholic High

Points: 84 points

Name: _____   **Score:** _____

Date: _____

Signature: _____

Select multiple choice answers with a cross or tick:

○   Only select one answer

☐   Can select multiple answers

Question 1 of 53   Primary 5 Maths (Term 4)   1 pt

What is seven million, five hundred and eight thousand and twenty-nine in numerals?

○ **A)**   7 008 529
○ **B)**   7 058 290
○ **C)**   7 508 029
○ **D)**   7 580 029

Question 2 of 53   Primary 5 Maths (Term 4)   1 pt

Express 10.83L in L and ml

○ **A)**   1 L 83 ml
○ **B)**   1 L 830 ml
○ **C)**   10 L 83 ml
○ **D)**   10 L 830 ml

Question 3 of 53   Primary 5 Maths (Term 4)   1 pt

Find the product of 3000 and 120

○ **A)**   3600
○ **B)**   36000
○ **C)**   360 000
○ **D)**   3 600 000

Express $4\dfrac{27}{300}$ as a decimal.

A) 4.027
B) 4.09
C) 4.27
D) 4.9

In the figure below, XYZ is a triangle.
When XZ is the base, find the height of triangle XYZ.

A) DY
B) EZ
C) XY
D) YZ

Find the value of $9 \times \dfrac{19}{6}$.

A)

$4\dfrac{1}{2}$

B)

$12\dfrac{1}{6}$

C)

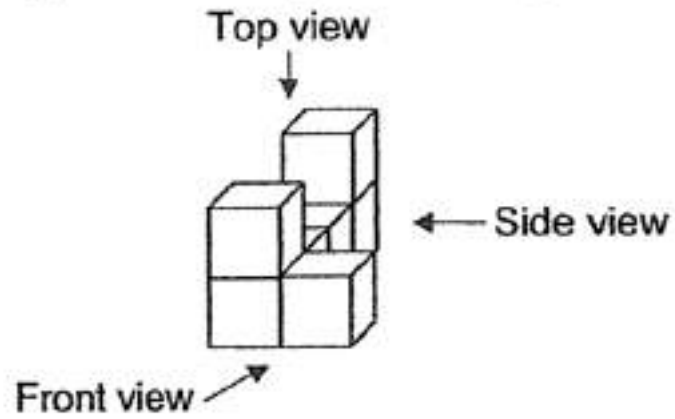$27\dfrac{1}{6}$

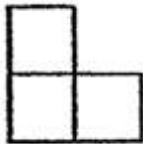D)

$28\dfrac{1}{2}$

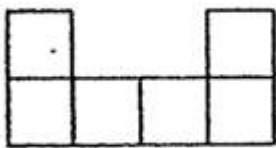Express 4.3 as a percentage

A) 43%
B) 430%
C) 0.43%
D) 0.043%

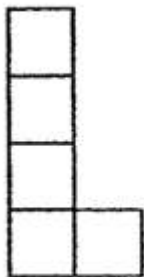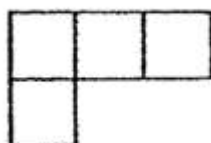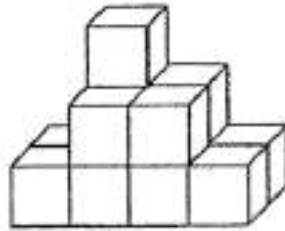Which of the following view is the top view of the given solid?

Top view

←— Side view

Front view

A)

B)

C)

D)

The solid below is made up of identical 1-cm cubes. What is its volume?

A)   10 cm3
B)   11 cm3
C)   12 cm3
D)   13 cm3

The table shows the number of people who visited the museum over three days.

Day	Number of People
Monday	30
Tuesday	44
Wednesday	55

What was the average number of people who visited the museum over three days?

A)   43
B)   44
C)   126
D)   129

Box A is two times as heavy as Box B. Box C is three times as heavy as Box A. Box C weighs 50g more than Box B. What is the mass of Box A?

A)   10 g
B)   20 g
C)   60 g
D)   90 g

The ratio of the perimeter of two squares is 1:6. The perimeter of the smaller square is 12cm. What is the length of one side of the larger square?

A)   15 cm
B)   18 cm
C)   21 cm
D)   72 cm

Emily had $600. She spent 40% of her money and saved the rest. How much did she spend?

A) $240
B) $360
C) $560
D) $640

PQRS is a parallelogram. ∠SQR = 39° and ∠SPQ = 111°. Find ∠QSR.

A) 30

B) 39

C) 69
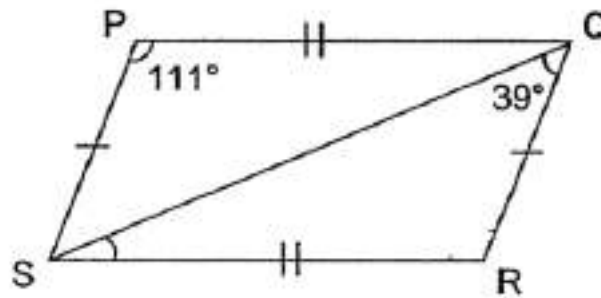
D) 141

The table shows the local parcel delivery charges. What is the delivery charge for delivering a parcel with a mass of 5.2 kg?

Mass Step Not Over	Charge
1 kg	$10
2 kg	$18
5 kg	$42
Per additional step of 1 kg or part thereof	$8

A) $50

B) $52

C) $54

D) $60

Find the value of 84 + (63-19)÷4

Find the value of $\frac{5}{7} \times \frac{63}{8}$. Express your answer in its simplest form.

Find the missing number

7: ___ = 49:63

Find the value of 0.098x300

14 children shared 4 cakes equally among themselves. What fraction of a cake did each child get? Express your answer in its simplest form.
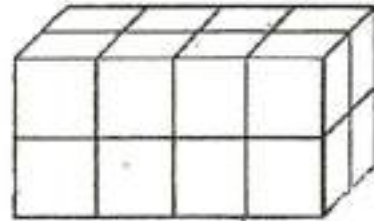
The mass of a bottle is 1400 g when it is fully filled. The mass of the empty bottle is $\frac{1}{8}$ of the mass of a fully-filled bottle.
Find the mass of the empty bottle.

The solid below is made up of 2-cm cubes. What is the volume of the solid?

The table below shows the number of siblings each pupil has in a class.

Number of siblings	Number of pupils
0	16
1	14
2	9
3	5

What is the ratio of the number of pupils who have siblings to the number of pupils who do not have siblings?
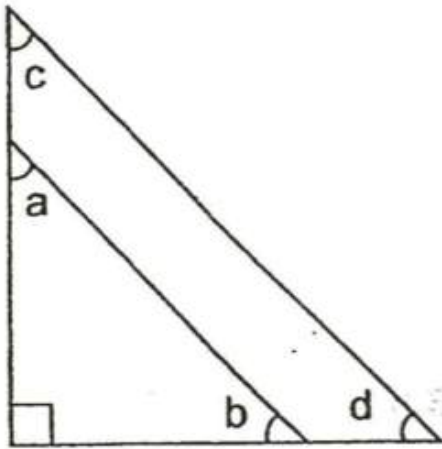Express your answer in its simplest form.

The figure ABCD below is made up of identical triangles. What percentage of the figure ABCD below is shaded?
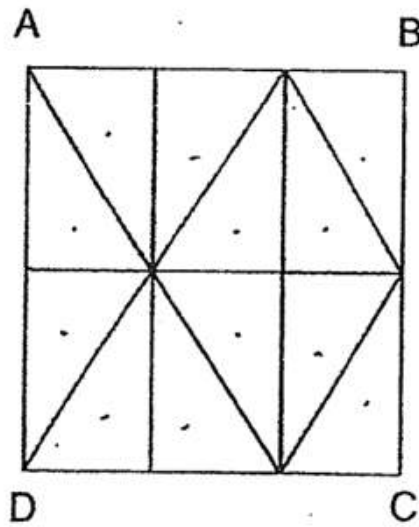
Lisa bought $\frac{8}{11}$ kg of flour. She used $\frac{5}{6}$ of it to make a cake. How many kilograms of flour was used to make the cake?

The figure below is made up of two right-angled triangles.
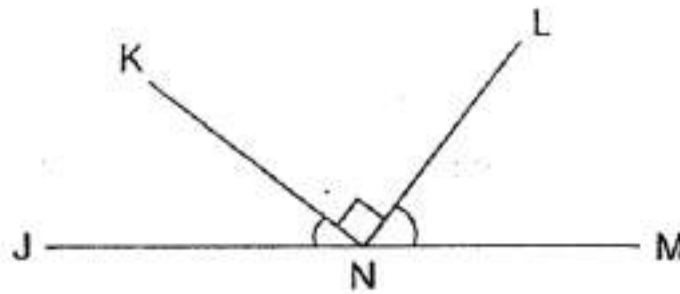Find the sum of $\angle a + \angle b + \angle c + \angle d$.

A painter takes 12 hours to paint 4 walls. How many hours will it take for the painter to paint 22 walls.

The average of three different 2 digit numbers is 28. Of the tree numbers, find the largest possible number

In the figure below, JNM is a straight line.

Each statement below is either true or false based on the figure above. For each statement, put a tick (√) in the correct column.
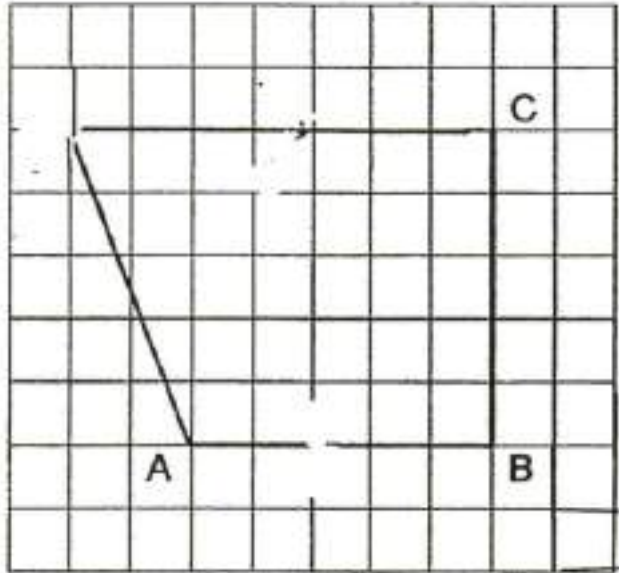
Statement : Angle JNK is less than 90

○ **A)** True
○ **B)** False
○ **C)** Not possible to tell

b) Angle JNK + Angle KNL + Angle MNL = 360

○ **A)** True
○ **B)** False
○ **C)** Not possible to tell

AB and BC are two sides of a trapezium. AB is parallel to DC. Complete the drawing of trapezium ABCD by drawing the other two sides in the square grid below.

Please type "done" to proceed to the next question

The ratio of the length of Plank A to Plank B to Plank C is 5:8:6. The difference between the length of Plank A and the length of Plank B is 2.25m. What is the length of Plank C?

The usual price of a shirt $75. Cameron bought the shirt at a 15% discount. How much was the discount?

John and Rachel had some buttons in the ratio 2:7. After John gave Rachel half of his buttons, Rachel had 416 buttons in the end. How many buttons did John have in the end?

Richard is four times as old as Monica. In 14 years' time, their total age will be 108. What is Monica's age now?

Barry had $50 000 in his bank account. The bank paid 1.9% interest at the end of each year. How much interest did he earn at the end of one year?

Nelson had some money. He spent $124.50 on a shirt and $\frac{3}{8}$ of the remaining money on some bedsheets. He then had $\frac{1}{2}$ of his money left. How much money did Nelson have left?

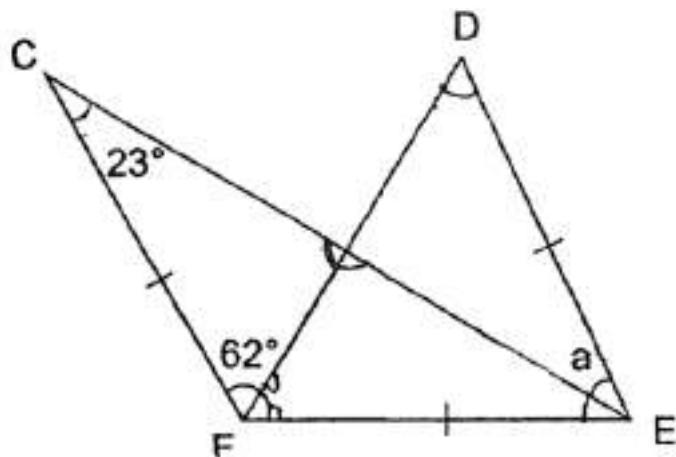At a carnival, Phoebe had a total of $5588 worth of coupons consisting of $2 and $5 coupons. There were 3 times as many $2 coupons as $5 coupons. How many $2 coupons did she have?
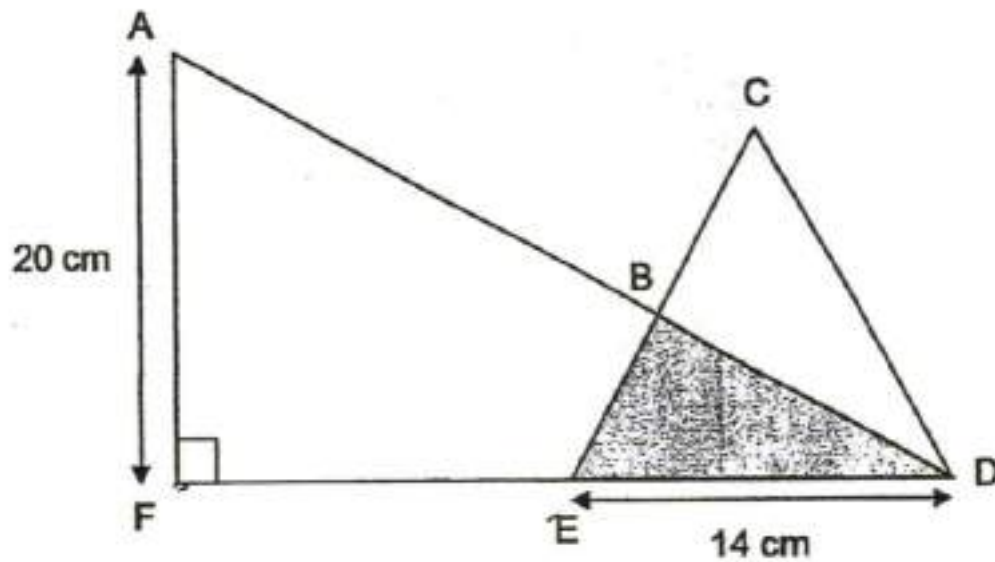
In the figure below, ABCD is a rectangle and the area of triangle EFG is 30 cm². AE is $\frac{1}{2}$ of AD. Find the length of AD.


15 cm
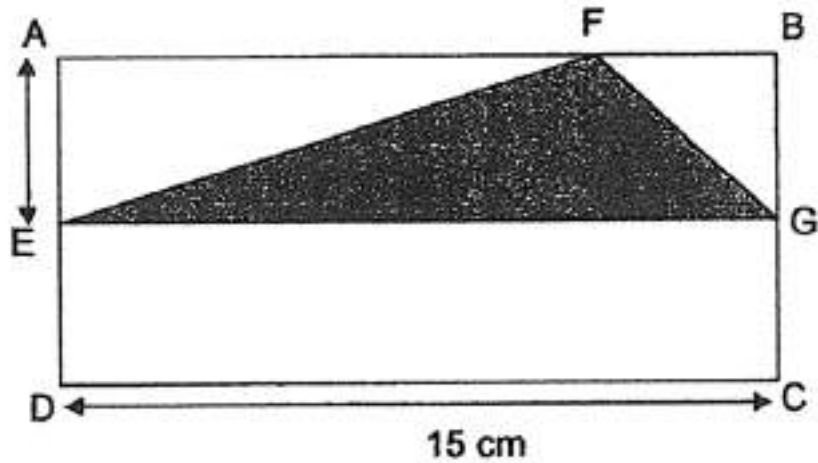
In the figure below, CEF and DEF are triangles. CF = FE = ED. Find ∠a.

The figure ABCDEF is made up of two triangles ADF and CDE. The area of the shaded triangle BDE is 96 cm², which is half of the area of triangle CDE. FE = ED = 14 cm. What is the total area of the figure ABCDEF?

A rectangular tank measuring 90 cm by 20 cm by 15 cm was half-filled with water. The water from the rectangular tank was poured into an empty cubical tank of edge 15 cm until it was completely filled. How much water was left in the rectangular tank?
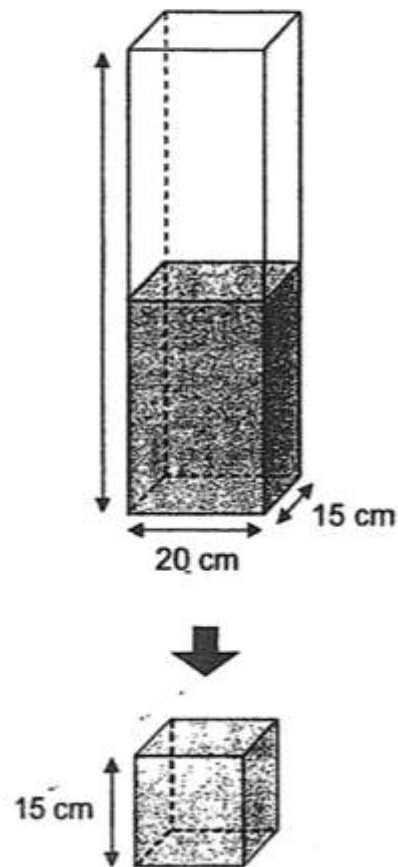
At first, a tank was filled with some water. A tap was then turned on for some time to fill the tank with more water. The line graph shows the volume of water in a tank over 20 minutes.

Volume of water in a Tank over 20 minutes
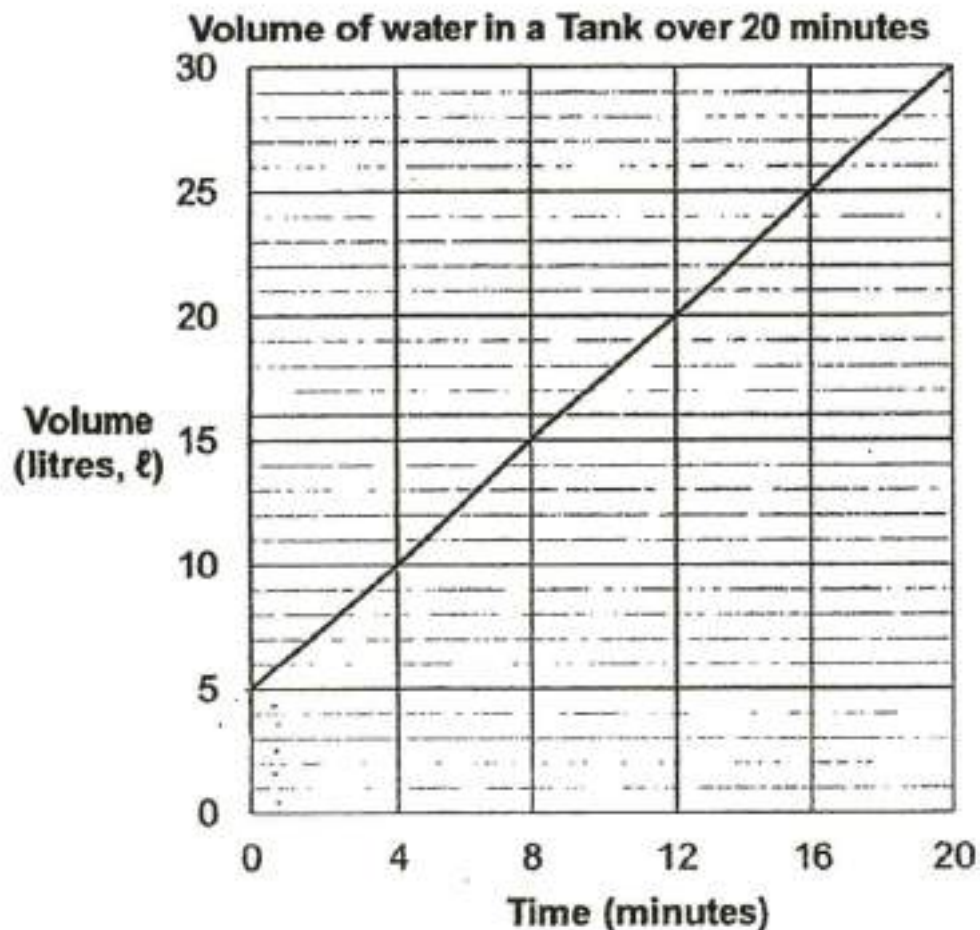
(a) Find the original amount of water in the tank at first.

b) How long did it take for the volume of water in the tank to be 25L?

c) How much water flowed from the tap into the tank in one minute?

In the figure below, WX and YZ are straight lines. ∠ROZ and ∠VOX are right angles. ∠a is four times of ∠b.

(a) Find ∠b.

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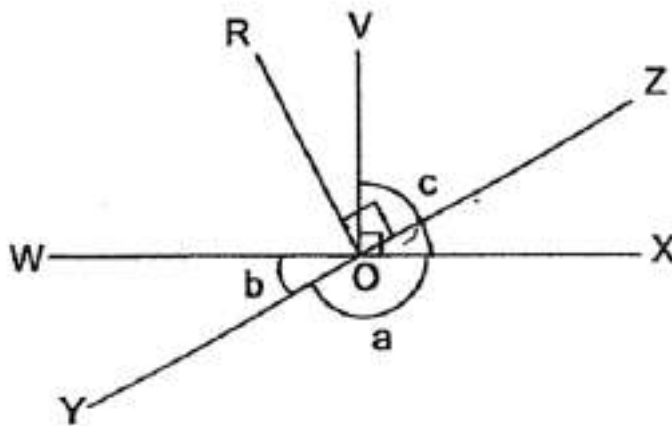
b) Find angle c

At a shop, the price of a notebook is $4.35. For every 10 notebooks bought, the shop gives away another 2 notebooks for free. Mrs Smith spent $304.50 buying notebooks. How many notebooks did she get altogether?

$4.35 per notebook

Buy 10 notebooks and get another 2 notebooks **FREE**
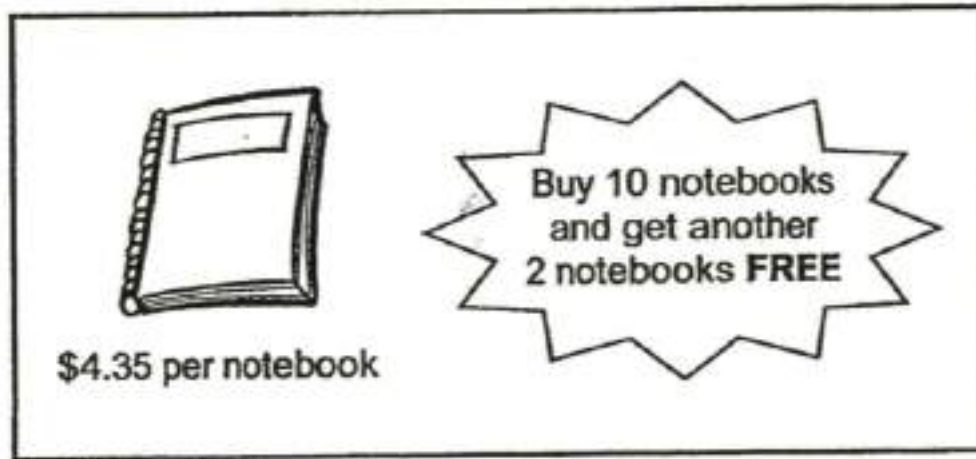
Adam booked 42 small and large buses for an excursion. There was a total of 1055 seats. Each small bus had 15 seats and each large bus had 40 seats. How many large buses did Adam book?

The following is made up of identical squares.
Study the pattern carefully.

 → Shaded square

 → Unshaded square

Figure 1　　　　　Figure-2　　　　　Figure 3

Figure Number	Number of shaded squares	Number of unshaded squares	Number of total squares
1	1	8	9
2	2	10	12
3	3	12	15
4	4	(a)	(b)

(a) Find the number of unshaded squares for Figure 4

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b) Find the total number of squares for Figure 4.

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c) Find the figure number with a total number of 123 squares.

Weixiong spent $\frac{1}{6}$ of his money on appliances and an additional $3500 on some furniture. He spent $\frac{7}{8}$ of the remaining money on renovation and had $2900 left. How much did he have at first?