Test: Primary 5 Maths (Term 4) - ACS (2020)

Points: 97 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 54

Primary 5 Maths (Term 4) 1 pt

Express $\frac{17}{20}$ as a percentage.

- **A)** 17%
- **B)** 34%
- **C)** 68%
- **D)** 85%

Question 2 of 54

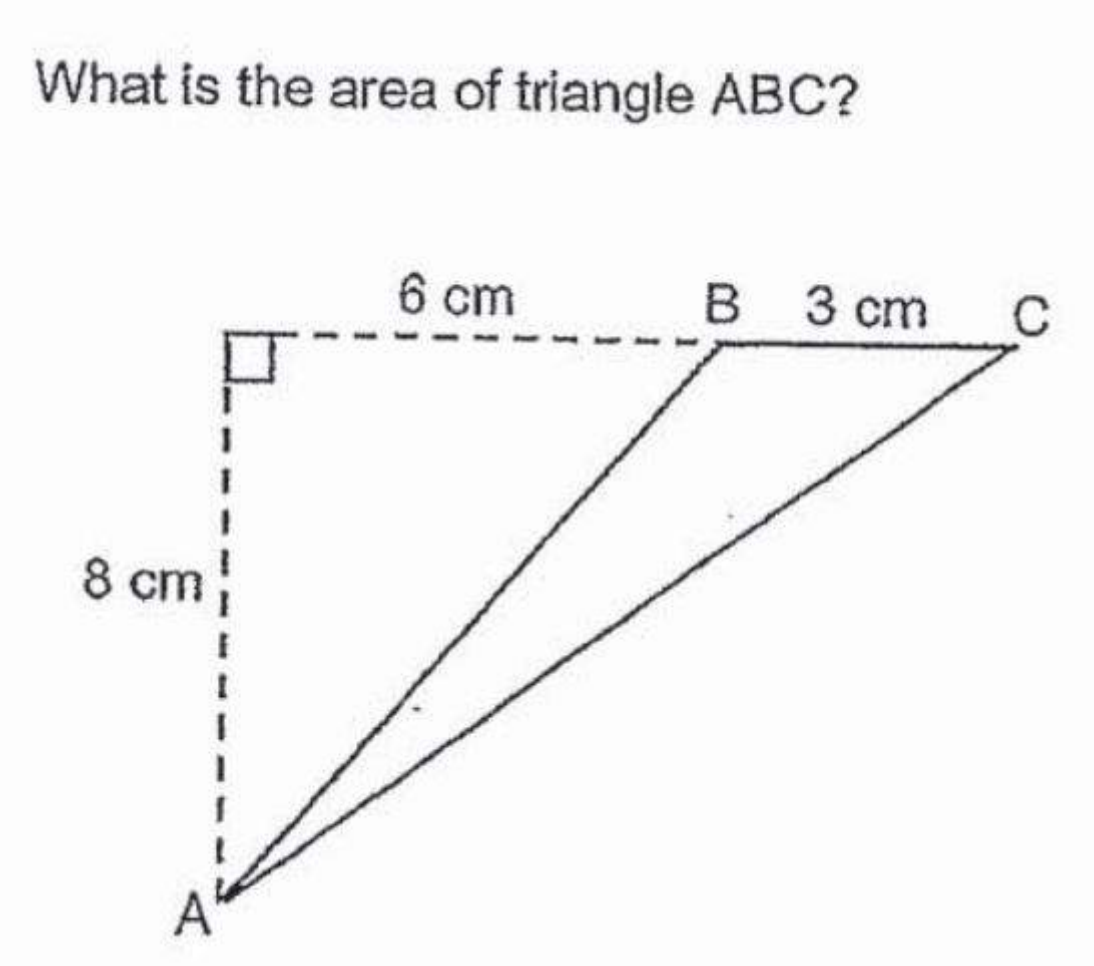
Primary 5 Maths (Term 4) 1 pt

Find the value of 350 - 24 / 2 x 4.

- **A)** 302
- **B)** 347
- **C)** 652
- **D)** 1352

Question 3 of 54 Primary 5 Maths (Term 4) 1 pt

What is the area of triangle ABC?



- **A)** 12 cm^2
- **B)** 24 cm^2
- **C)** 36 cm^2
- **D)** 72 cm^2

Question 4 of 54 Primary 5 Maths (Term 4) 1 pt

The mass of 70 cans of tuna weighs 10 500 g. What is the mass of 1 can of tuna?

- **A)** 15 g
- **B)** 105 g
- **C)** 150 g
- **D)** 1050 g

Question 5 of 54 Primary 5 Maths (Term 4) 1 pt

Which of the following is the same as $\frac{13}{1000}$?

- **A)** 1.3
- **B)** 0.13
- **C)** 0.013
- **D)** 0.0013

Question 6 of 54 Primary 5 Maths (Term 4) 1 pt

Mrs Tan needs to book some buses for a school trip to the zoo. There are 242 pupils and teachers altogether. What is the least number of buses she needs to book if each bus can carry a maximum of 40 passengers?

- **A)** 5
- **B)** 6
- **C)** 7
- **D)** 8

Question 7 of 54

Primary 5 Maths (Term 4) 1 pt

Bob drinks $\frac{2}{7}\ell$ of juice in a day. How much juice would Bob drink in 5 days?

A) $\frac{2}{35}\ell$

B) $1\frac{1}{7}\ell$

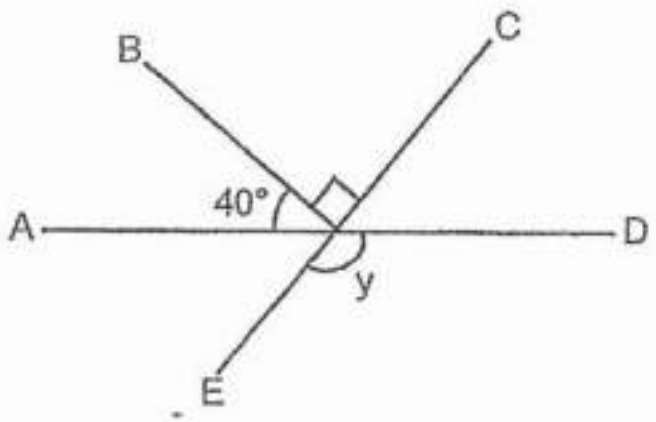
C) $1\frac{3}{7}\ell$

D) $5\frac{2}{7}\ell$

Question 8 of 54

Primary 5 Maths (Term 4) 1 pt

In the figure below, not drawn to scale, AD and EC are straight lines.
Find ∠y.



- **A)** 40^o
- **B)** 50^o
- **C)** 130^o
- **D)** 140^o

Question 9 of 54

Primary 5 Maths (Term 4) 1 pt

The average of 4 numbers is 34. The total of 3 of the numbers is 108. What is the fourth number?

- **A)** 20
- **B)** 28
- **C)** 36
- **D)** 74

Question 10 of 54

Primary 5 Maths (Term 4) 1 pt

There is a total of 50 red and blue cubes in a box. 15 of them are red cubes. What is the ratio of the number of blue cubes to the total number of cubes?

- **A)** 3 : 7
- **B)** 7 : 3
- **C)** 3 : 10
- **D)** 7 : 10

Question 11 of 54

Primary 5 Maths (Term 4) 2 pts

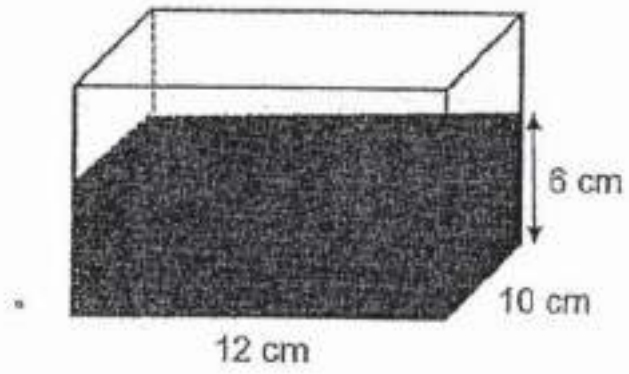
Mr Tan's car can travel 45 km on 5*l* of petrol.
At this rate, how far can the car travel on 16*l* of petrol?

- **A)** 135 km
- **B)** 144 km
- **C)** 160 km
- **D)** 225 km

Question 12 of 54

Primary 5 Maths (Term 4) 2 pts

A rectangular container is filled with water to a depth of 6 cm. Alvin pours another 1.05 ℓ of water into the container. Find the volume of water in the container now.

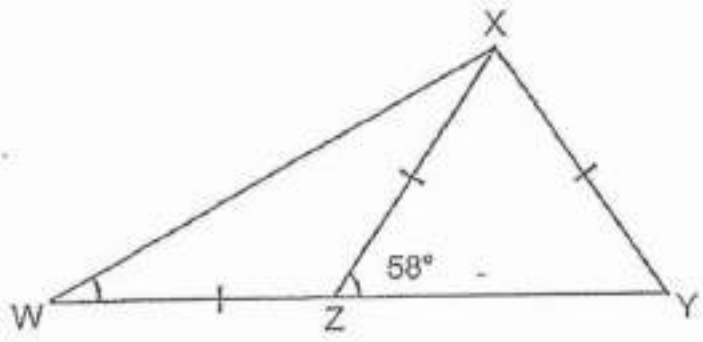


- **A)** 1720 *ml*
- **B)** 1725 *ml*
- **C)** 1770 *ml*
- **D)** 2220 *ml*

Question 13 of 54

Primary 5 Maths (Term 4) 2 pts

In the figure below, not drawn to scale, WZY is a straight line. XZ = XY = WZ and ∠XZY = 58°. Find ∠ZWX.



- **A)** 29°
- **B)** 58°
- **C)** 64°
- **D)** 122°

Question 14 of 54

Primary 5 Maths (Term 4) 2 pts

Peter, Quincy and Ron had some stamps. The ratio of the number of stamps Peter had to the number of stamps Ron had was 2 : 3. The number of stamps Quincy had to the number of stamps Ron had was 6 : 5. Find the ratio of the number of stamps that Peter had to the number of stamps Ron had to the number of stamps Quincy had.

- **A)** 10 : 15 : 18
- **B)** 10 : 18 : 15
- **C)** 12 : 18 : 15
- **D)** 12 : 15 : 18

Question 15 of 54

Primary 5 Maths (Term 4) 2 pts

Delia, Emma and Fiona sold some concert tickets. Fiona sold 4 times as many concert tickets as Emma. Fiona sold 150 concert tickets more than Emma. Delia and Fiona sold 355 concert tickets altogether. How many concert tickets did Delia sell?

- **A)** 155
- **B)** 205
- **C)** 235
- **D)** 305

Question 16 of 54 Primary 5 Maths (Term 4) 1 pt

What is the missing number?

625 478 = 600 000 + _____ + 5000 + 400 + 70 + 8

Question 17 of 54 Primary 5 Maths (Term 4) 1 pt

Michael is 1.83 m tall. He is 24 cm taller than Fred. What is Fred's height?

Question 18 of 54 Primary 5 Maths (Term 4) 1 pt

Mrs Low bought $\frac{4}{5}$ kg of carrots. She cooked $\frac{2}{3}$ of them. How many kilograms of carrots did she cook?

Question 19 of 54 Primary 5 Maths (Term 4) 1 pt

A cupcake and 3 scones cost $7.50. The cupcake costs twice as much as a scone. How much do 4 scones cost?

Question 20 of 54 Primary 5 Maths (Term 4) 1 pt

A florist sells 80 stalks of roses per day. At this rate, how many stalks of roses will she sell in a week?

Question 21 of 54 Primary 5 Maths (Term 4) 2 pts

The ratio of the length of a rectangle to its breadth is 5 : 3. The breadth of the rectangle is 12 cm. Find the perimeter of the rectangle.

Question 22 of 54 Primary 5 Maths (Term 4) 2 pts

Mary spent 20% of her money and had $240 left. How much money did she spend?

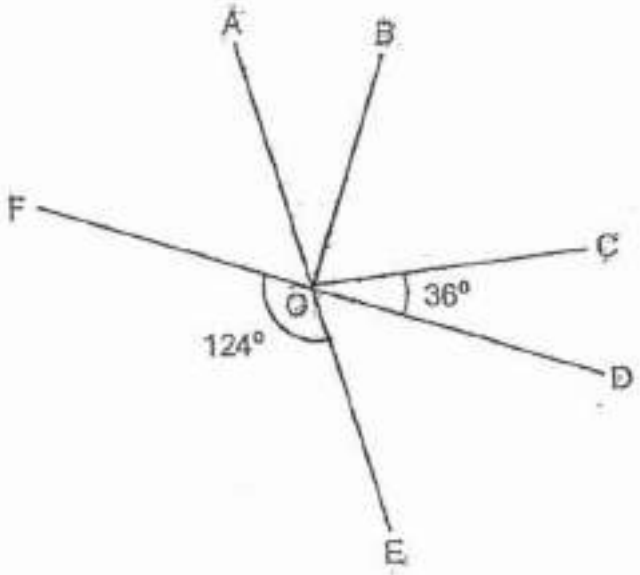
Question 23 of 54 Primary 5 Maths (Term 4) 2 pts

At a photocopying shop, the charges for the first 10 copies is $0.30 per copy. For every additional copy after the 1^{st} 10 copies, it is charged at $0.15 per copy. Richard photocopied 40 copies of notes. How much did Richard pay?

Question 24 of 54

Primary 5 Maths (Term 4) 2 pts

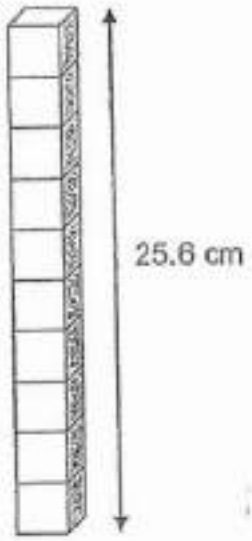
In the figure below, FOD and AOE are straight lines. ∠BOD is a right angle. ∠FOE = 124° and ∠COD = 36°. Find ∠AOB.



Question 25 of 54

Primary 5 Maths (Term 4) 2 pts

10 identical cubes were stacked one on top of the other. The height of the stack of cubes was 25.6 cm. After 4 cubes were removed, what was the height of the remaining stack of cubes?



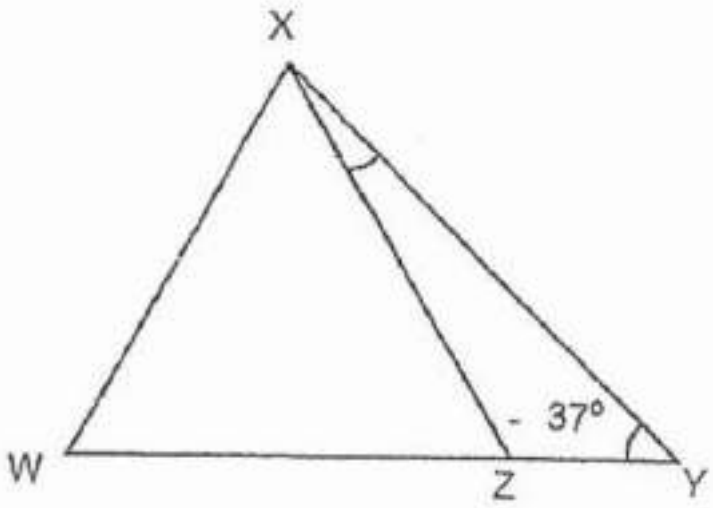
Answer: _____ cm

Question 26 of 54

Primary 5 Maths (Term 4) 2 pts

In the figure below, not drawn to scale, WZY is a straight line.

WXZ is an equilateral triangle. ∠XYZ = 37°. Find ∠ZXY.



Question 27 of 54

Primary 5 Maths (Term 4) 2 pts

The average mass of a few bags of rice is 20 kg. When another bag of rice with a mass of 30 kg is added, the average mass of the bags of rice increased to 22 kg. How many bags of rice were there at first?

Question 28 of 54

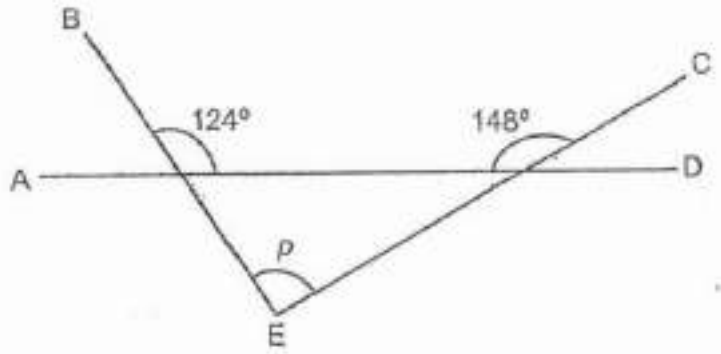
Primary 5 Maths (Term 4) 2 pts

The cost of a printer, inclusive of 7% GST, is $428. What is the cost of the printer before GST?

Question 29 of 54

Primary 5 Maths (Term 4) 2 pts

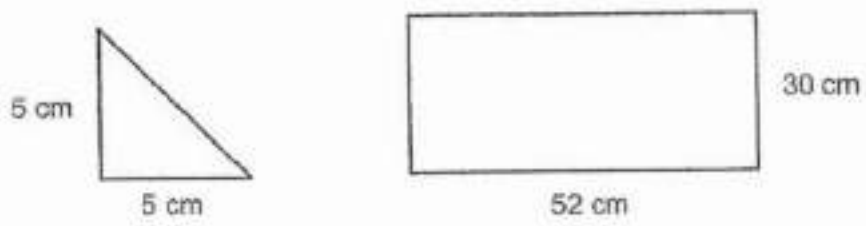
In the figure below, not drawn to scale, AD, BE and CE are straight lines. Find ∠p.



Question 30 of 54

Primary 5 Maths (Term 4) 2 pts

George wanted to cut triangles as shown below from a rectangular piece of paper. The paper measured 52 cm by 30 cm, what is the maximum number of triangles that can be cut from it?



Question 31 of 54

Primary 5 Maths (Term 4) 2 pts

A rectangular container measures 35 cm by 25 cm by 15 cm. It is filled to the brim with water. Tom poured out 6 *l* 450 *ml* of the water from the container. How much water is left in the container? Give your answer in litres and millilitres.

Question 32 of 54

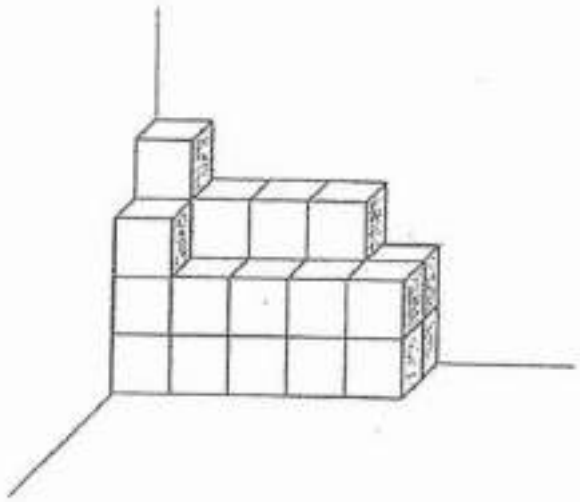
Primary 5 Maths (Term 4) 2 pts

Sam has a rope measuring 8.36 m. He cut the rope into 4 equal pieces. How long is each piece of rope? Give your answer in metres and centimetres.

Question 33 of 54

Primary 5 Maths (Term 4) 2 pts

The solid below is made up of identical cubes. The length of each side of the cube is 1 cm. Find the volume of the solid.



Question 34 of 54

Primary 5 Maths (Term 4) 2 pts

Zoe spent $\frac{5}{8}$ of her money on a pen and saved the rest. The amount she spent was $66 more than the amount she saved. How much money did she save?

Question 35 of 54

Primary 5 Maths (Term 4) 2 pts

The overseas postage rates to two countries are shown below.

	Japan	Italy
1st 5kg	$30	$50
Every additional kg or part thereof	$5	$9

Harry sent a parcel weighing 4 kg to Japan and a parcel weighing 7.2 kg to Italy.

How much did he pay altogether?

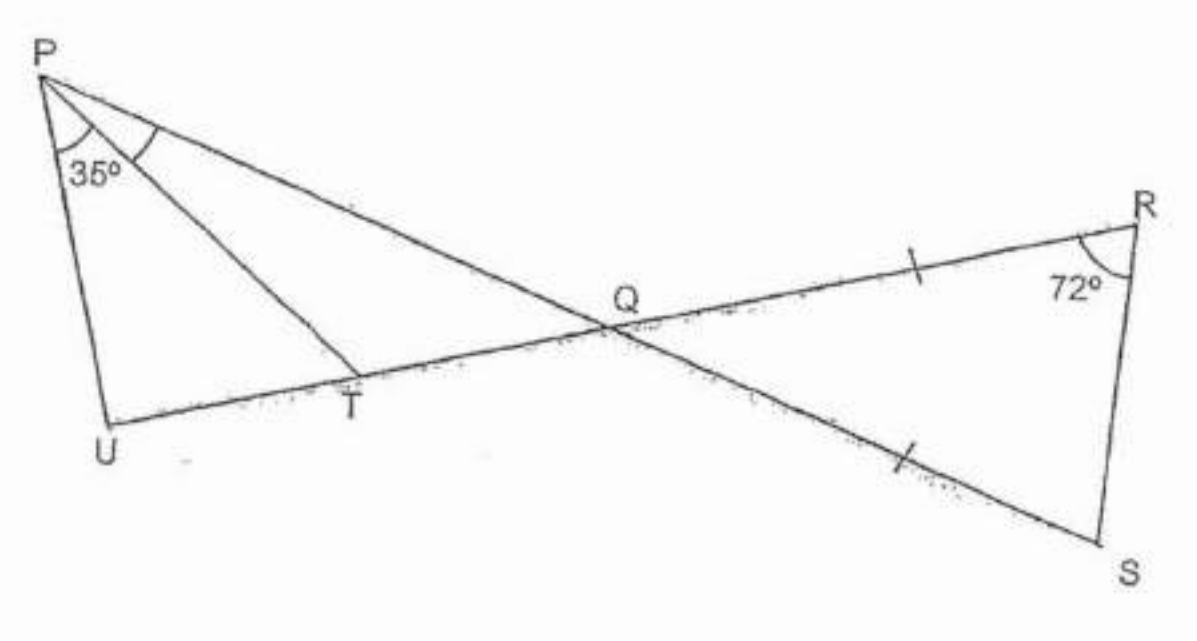
Question 36 of 54

Primary 5 Maths (Term 4) 1 pt

In the figure below, not drawn to scale, PUQ is a right-angled triangle. QRS is an isosceles triangle. PQS and UQR are straight lines.

Angle UPT = 35^{o} and Angle QRS = 72^{o}.

Find Angle RQS.

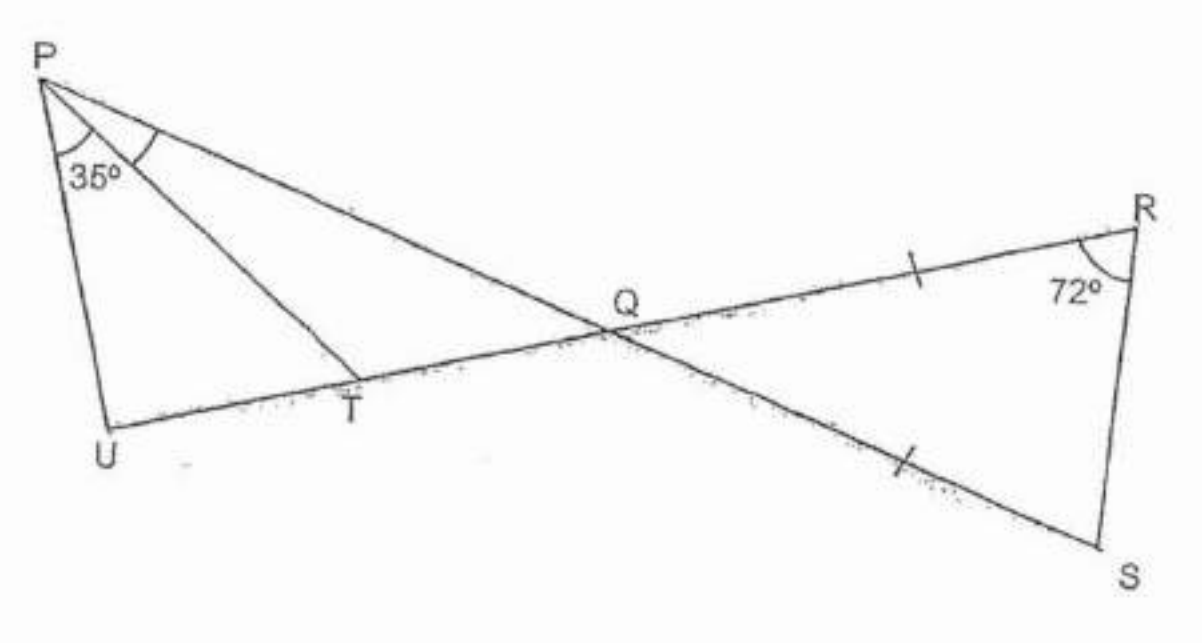


Question 37 of 54

Primary 5 Maths (Term 4) 2 pts

In the figure below, not drawn to scale, PUQ is a right-angled traingle. QRS is an isosceles traingle. PQS and UQR are straight lines.
Angle UPT = 35^o and Angle QRS = 72^o.

Find Angle TPQ.



Question 38 of 54

Primary 5 Maths (Term 4) 3 pts

During a sale, 2 storybooks were sold for $8.50 and 5 storybooks were sold for $17.50. Tammy had $55. She bought 14 storybooks and had some money left. What is the minimum amount of money Tammy spent?

Question 39 of 54

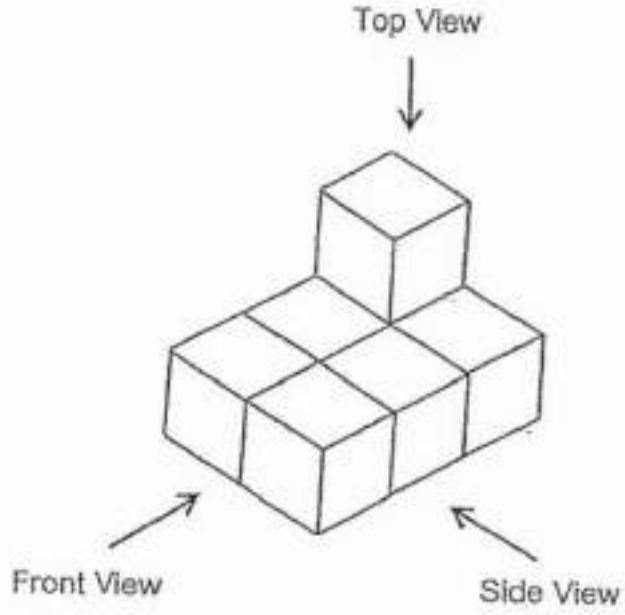
Primary 5 Maths (Term 4) 3 pts

Mrs Tan has 20 kg of flour. She uses $\frac{1}{5}$ of it to bake some cakes.

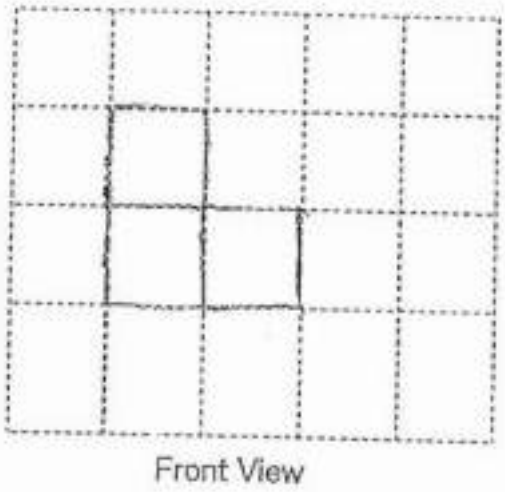
She uses $\frac{1}{4}$ kg to bake some tarts. How much flour does she have left?

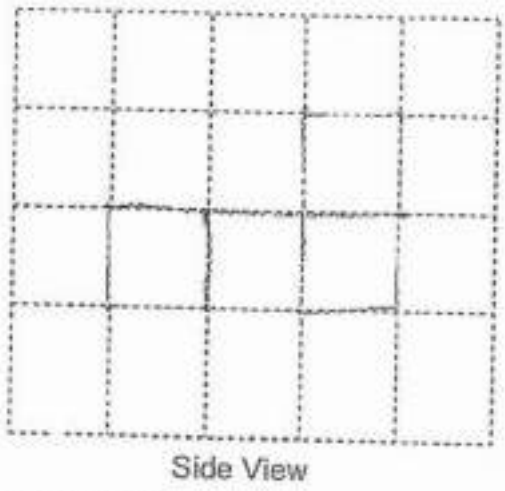
Question 40 of 54 Primary 5 Maths (Term 4) 0 pts

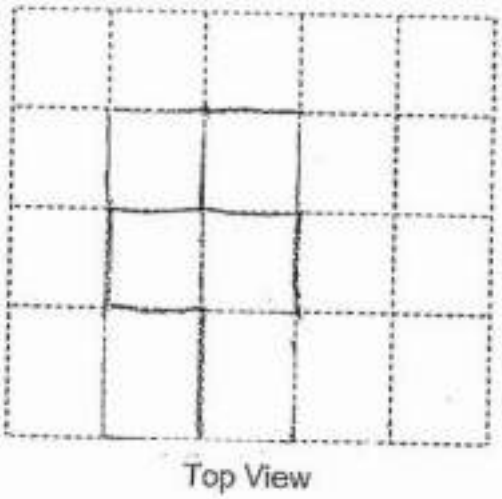
The diagram below is a solid figure.



Draw the Top, Front and Side views of the solid figure below. [3]







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

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

Question 41 of 54 Primary 5 Maths (Term 4) 3 pts

Ally paid $35.20 for a strawberry shortcake and 4 doughnuts.
Bel paid $50.80 for a strawberry shortcake and 10 doughnuts.
How much does a strawberry shortcake cost?

Question 42 of 54 Primary 5 Maths (Term 4) 1 pt

Sally had some red, blue, green and white beads. 20% of the beads were red. She had 14 more blue beads than red beads. The number of green beads she had was twice the number of red beads. The remaining 29 beads were white.

How many red beads did she have?

Question 43 of 54 Primary 5 Maths (Term 4) 3 pts

Sally had some red, blue, green and white beads. 20% of the beads were red. She had 14 more blue beads than red beads. The number of green beads she had was twice the number of red beads. The remaining 29 beads were white.

How many more green beads did she have than blue beads?

Question 44 of 54 Primary 5 Maths (Term 4) 4 pts

Roy bought the same number of adult tickets and child tickets for a musical. He spent $840 on the adult tickets and $457.50 on the child tickets. Each adult ticket cost $25.50 more than each child ticket. Find the total cost of 2 child tickets and 3 adult tickets.

Question 45 of 54

Primary 5 Maths (Term 4) 2 pts

Ian spent $\frac{5}{8}$ of his money on a wallet and $\frac{2}{3}$ of the remainder on a book.

The book cost $40.

How much did the wallet cost?

Question 46 of 54

Primary 5 Maths (Term 4) 2 pts

Ian spent $\frac{5}{8}$ of his money on a wallet and $\frac{2}{3}$ of the remainder on a book.

The book cost $40.

How much did Ian have at first?

Question 47 of 54

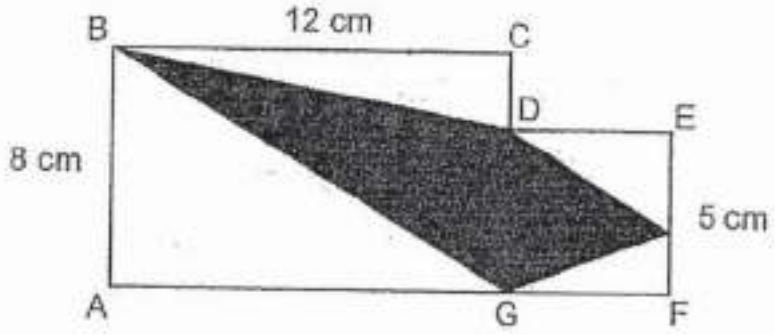
Primary 5 Maths (Term 4) 4 pts

The average mass of 3 boys, Andy, Brandon and Charles is 42 kg.
Andy is 3 kg lighter than Brandon. The total mass of Andy and Brandon is the same as the mass of Charles. What is the mass of Brandon?

Question 48 of 54

Primary 5 Maths (Term 4) 4 pts

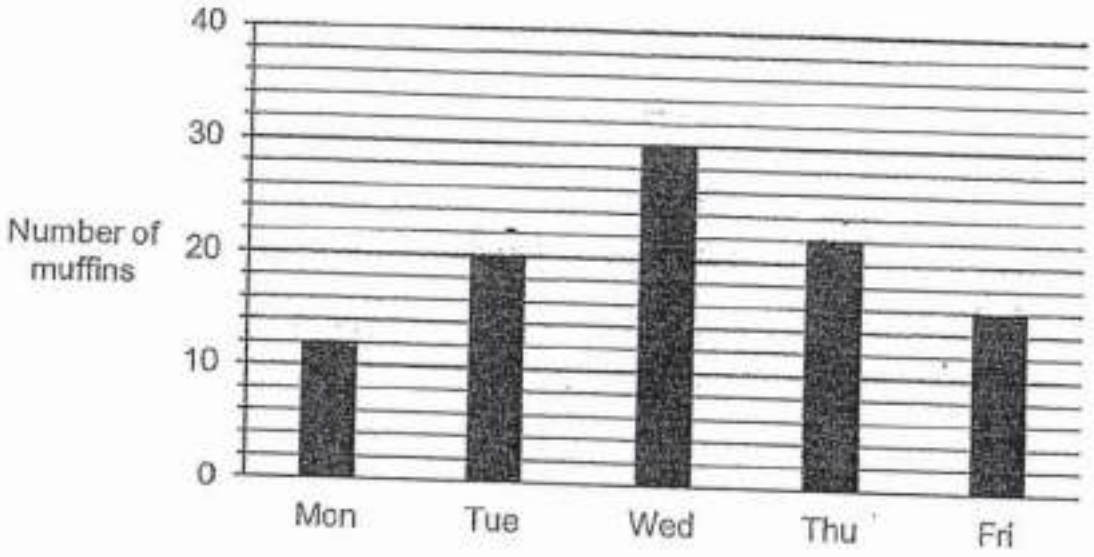
ABCG is a rectangle and DEFG is a square. Find the total area of the shaded parts.



Question 49 of 54

Primary 5 Maths (Term 4) 1 pt

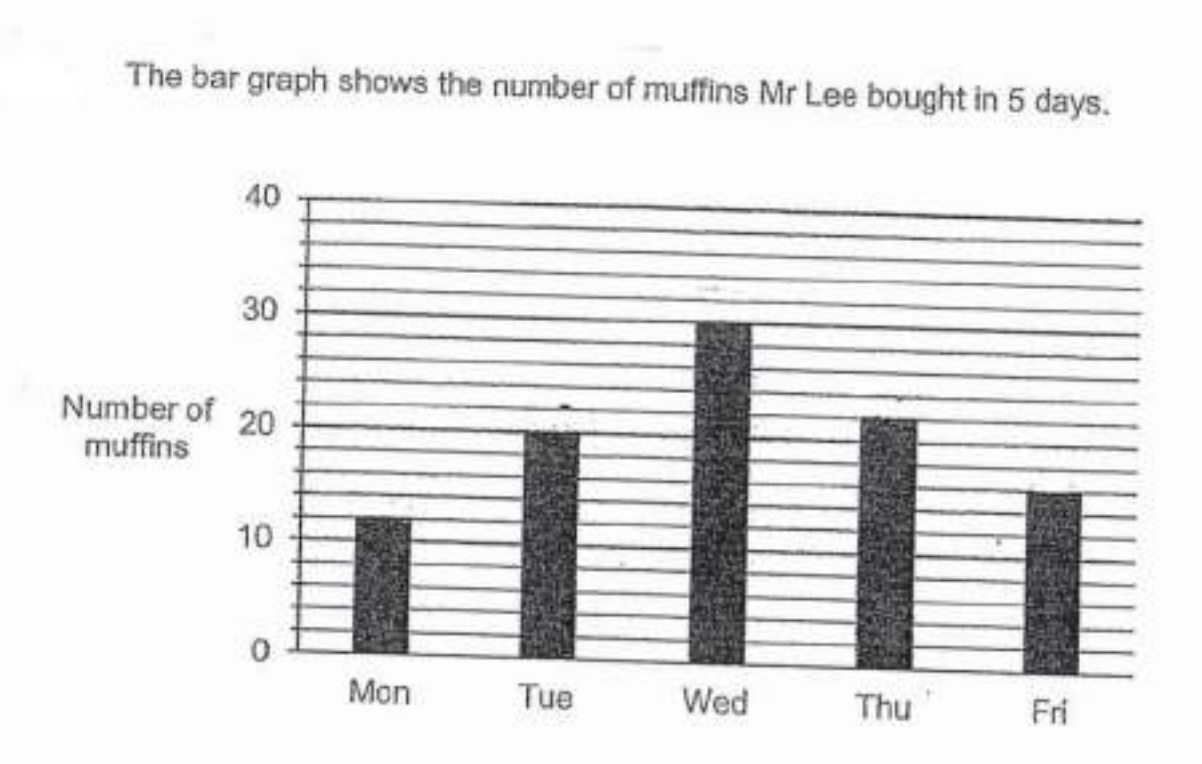
The bar graph shows the number of muffins Mr Lee bought in 5 days.



How many muffins did Mr Lee buy from Monday to Friday?

Question 50 of 54

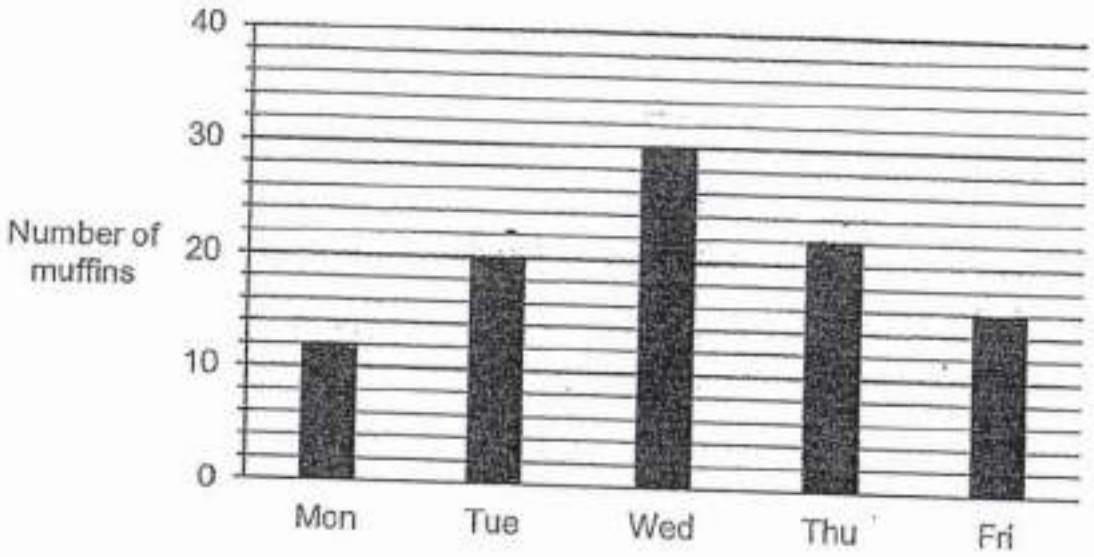
Primary 5 Maths (Term 4) 2 pts



What was the average number of muffins Mr Lee bought per day from Tuesday to Thursday?

Question 51 of 54 Primary 5 Maths (Term 4) 2 pts

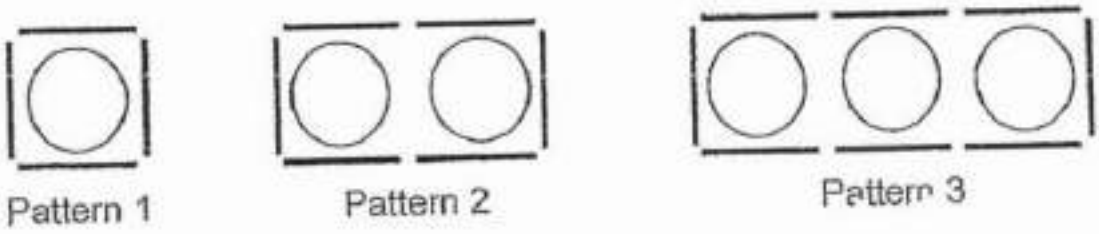
The bar graph shows the number of muffins Mr Lee bought in 5 days.



Mr Lee paid $3.25 for each muffin. How much more did he pay for the muffins on Wednesday than on Monday?

Question 52 of 54 Primary 5 Maths (Term 4) 1 pt

Joy made patterns using circles and sticks as shown.



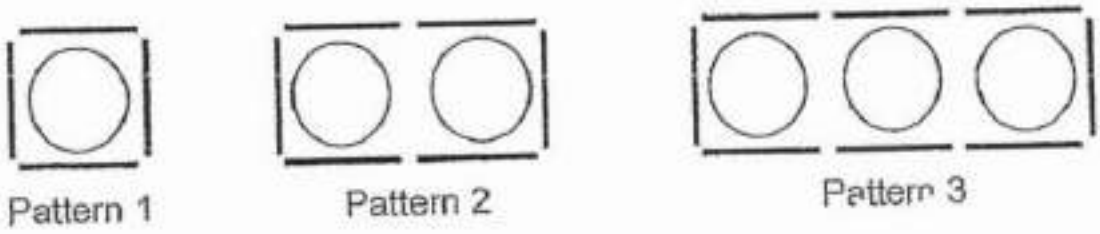
Pattern 1 Pattern 2 Pattern 3

Complete the table.

Pattern Number	Number of Circles	Number of Sticks
1	1	4
2	2	6
3	3	8
4	4	10
6	6	(a) _____ [1]

Question 53 of 54 Primary 5 Maths (Term 4) 2 pts

Joy made patterns using circles and sticks as shown.



Pattern 1 Pattern 2 Pattern 3

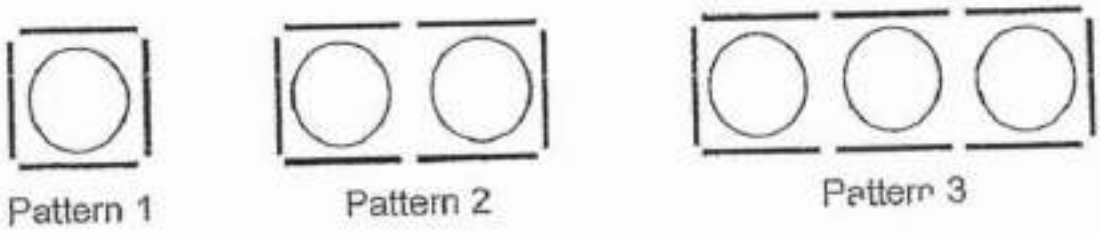
Complete the table.

Pattern Number	Number of Circles	Number of Sticks
1	1	4
2	2	6
3	3	8
4	4	10
6	6	(a) _____ [1]

Joy made 24 circles. How many sticks did she use?

Question 54 of 54 Primary 5 Maths (Term 4) 2 pts

Joy made patterns using circles and sticks as shown.



Pattern 1 Pattern 2 Pattern 3

Complete the table.

Pattern Number	Number of Circles	Number of Sticks
1	1	4
2	2	6
3	3	8
4	4	10
6	6	(a) _____ [1]

Joy used 206 sticks. How many circles did she make?