Test: $\quad$ Primary 5 Maths (Term 4) - Maris Stella (2020)
Points: $\quad 54$ points
Name: $\qquad$ Score: $\qquad$
Date:
Signature: $\qquad$

Select multiple choice answers with a cross or tick:Only select one answerCan select multiple answers

## Question 1 of 57

What is two million, two hundred and three thousand, four hundred and sixteen in numerals?A) 2023416B) 2023460C) 2203416D) 2203460

Question 2 of 57
$\qquad$ $\div 10=6.7$A) 67B) 670C) 0.67D) 0.067

## Question 3 of 57

A number when rounded to the neatest thousand is 30000 . Which one of the following the most likely the number?A) 29099B) 29598C) 30597D) 30909
$104.25=100+4+\frac{1}{5}+\frac{1}{\square}$
What is the missing number in the box?A) 100B) 25C) 20D) 4

## Question 5 of 57

Which one of the following is greater than $\frac{1}{5}$ but smaller than $\frac{1}{4}$ ?
A)
$\frac{2}{9}$B)
$\frac{1}{6}$C)
$\frac{2}{11}$D)
$\frac{1}{3}$

Question 6 of 57
Which of the following is not a factor of 32 ?A) 16B) 9C) 8D) 4

The heights of four girls are given in the table below.

| Name | Height |
| :---: | :---: |
| Cindy | $1 \frac{1}{2} \mathrm{~m}$ |
| Edna | 1 m 38 cm |
| Ruby | 120 cm |
| Sally | $1 \frac{3}{20} \mathrm{~m}$ |

Who is the shortest?A) CindyB) EdnaC) RubyD) Sally

## Question 8 of 57

The figure below shows a rectangle $A B C D$. Which one of the triangles below is half the area of rectangle $A B C D$ ?
A) ADGB) DFCC) ECGD) GDC

In the figure below, AB and CD are straight lines. Which one of the statements below is correct?
A) $v=y$B) $x=z$C) $x+y=v$D) $x+w=y$

## Question 10 of 57

Amei has twice as many stamps as Ben. Cindy has 3 times as many stamps as Ben. They have 42 stamps altogether .How many Stamps does Ben have?A) 6B) 7C) 12D) 14

Zack received $\$ 80$ for pocket money each month. The line graph shows the amount of money he saved from January to April.


In which month did Zack spend the most?A) JanuaryB) FebruaryC) MarchD) April

Mrs Lim had $\frac{8}{9} \mathrm{~kg}$ of flour at first. She used $\frac{1}{4}$ of the flour for baking and $\frac{1}{6} \mathrm{~kg}$ of the flour for cooking. How much flour had she left?
A)

$$
\frac{1}{2} \mathrm{~kg}
$$B)

$$
\frac{5}{12} \mathrm{~kg}
$$C)

$$
\frac{14}{27} \mathrm{~kg}
$$D) $\frac{17}{36} \mathrm{~kg}$

What is the area of triangle $A B C$ below?
A) 24 cm 2B) 30 cm 2C) 48 cm 2D) 60 cm 2

Jamie had $\$ 42$ and Sally had $\$ 90$. After they shared the cost of a present for a friend equally, the amount of money Sally had left was 3 times the amount of money Jamie had left. How much did each of them pay for the present?A) $\$ 16$B) $\$ 18$C) $\$ 24$D) $\$ 26$

## Question 15 of 57

Michael cuts a 3 metre long rope into three pieces. The length of ropes $X$ and $Y$ are in the ratio $5: 3$. Rope X is 50 cm longer than rope Y . How long is rope Z ?A) 75 cmB) 100 cmC) 125 cmD) 200 cm

## Question 16 of 57

What is the value of $90-7 \times 3+14 \div 2$ ?

## Question 17 of 57

Primary 5 Maths (Term 4)
1 pt

What is the first common multiple of 6 and $9 ?$

## Question 18 of 57

Primary 5 Maths (Term 4)
1 pt

Find the value of $28 \times 4000$

## Question 19 of 57

Find the missing decimal indicated by the arrow.


A worker is paid $\$ 12$ for an hour. How much is he paid for $5 \frac{1}{2}$ hours?

The square grid below shows the plan of a neighbourhood. The police station is north of the playground.


(a) Xiao Hao is standing at the playground, facing west. If he turns $135^{\circ}$ clockwise, where will he be facing?A) police stationB) food centreC) playgroundD) community centreE) marketF) school

The town council wants to build a library in the neighbourhood. The location of the library will be south-west of the police station and west of the playground in the square grid above, put an " $X$ " in the correct swore to indicate where the library will be built


## Question 23 of 57

There are 850 people at a concert. $30 \%$ of them are adults and the rest are children. How many children are at the concert?

## Question 24 of 57

Sally had $\$ 13.50$. She bought 6 mangoes and had $\$ 4.50$ left. How much did she pay for each mango

Shade 2 more squares to make the figure below symmetric, with $A B$ as the line of symmetry.


The table shows the charges for overdue books borrowed from a library.

| Overdue Book charges |  |
| :---: | :---: |
| For the first 4 days | 10 cents per day |
| From the $5^{\text {th }}$ day onwards | 25 cents per day |

Jonathan's book was overdue for 9 days. How much was he charged for returning the book late?

## Question 27 of 57

The average mass of Jimmy, Leonard and Matthew is 48 kg . Jimmy is 7 kg heavier than Leonard and 5 kg heavier than Matthew. What is Leonard's mass?

The solid is formed with 6 unit cubes. Draw the front and top views of the solid in the isometric paper provided below.


| Front View |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |


| Top View |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |  | $\cdot$ |
| $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |
| $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ |

In the figure below, ABC is an isosceles triangle, BDC is an equilateral triangle and $\angle B A C=36^{\circ}$. Find $\angle e$.


## Question 30 of 57

Mdm See baked an equal number of chocolates tarts and strawberry tarts. She gave away 18 chocolate tarts and 60 strawberry tarts. After that, she had 3 times as many chocolate tarts as strawberry tarts. How many stwrvweey tarts had she left?

Peter read the same number of pages of his storybook each day. At the end of the $7^{\text {th }}$ day, he was left with $\frac{1}{4}$ of the total number of pages. After another 2 days, he was left with 10 pages. How many pages are there in Peter's storybook?

Pauline prepared some juice in a big container. She poured some of the juice into 7 bottles. Each bottle contained $1 \frac{2}{9}$ l of juice. After that, $1 \frac{3}{4} \ell$ of juice was left in the container. How much juice did Pauline prepare?

In the figure, XYZ is an isosceles triangle. The ratio of the length of XY to the length of $Y Z$ is $5: 8$. The perimeter of triangle $X Y Z$ is 522 cm . Find the length of $X Y$.


Two identical isosceles triangles are arranged as shown in the figure. Find $\angle \mathrm{x}$.


Wei Ming had a piece of rectangular cardboard. He cut out a square of side 8 cm and two identical squares of side 3 cm from it. The remaining cardboard, which is shaded, has a perimeter of 68 cm . What is the length of XY?


The figure below shows a piece of rectangular paper with two of its corners folded down. Find $\angle \mathrm{m}$.


Question 37 of 57

Tasty Cake Shop baked 3404 pies. The pies were packed into 80 large boxes of 25 pies each and the rest into small boxes of 12 pies each. How many small boxes of 12 pies were there?
$\frac{3}{4}$ of Donnie's savings is equal to $\frac{2}{3}$ of Evan's savings. Donnie and Evan save $\$ 408$ altogether. How much is Donnie's savings?

The menu of a seafood restaurant is shown below.

| FISH | $\$ 8.60$ per 200 g |
| :--- | :--- |
| PRAWNS | $\$ 7.20$ per 100 g |
| LOBSTERS | $\$ 18.90$ per 100 g |
| CRABS | $\$ 55$ per 1 kg |

Mr Toh took his family to the restaurant for dinner. He ordered 1 kg of fish, 600 g of prawns and 1.6 kg of crabs. How much did he pay altogether for the seafood?

## Question 40 of 57

The average age of Andrew's nephew is 10 years old. When Andrew joins them, the average age of Andrew and his nephews becomes 14 years old. Given Andrew is 30 years old, how many nephews does he have?

The graph below shows the number of pets each of the 680 households has.

(a) How many households have at least 3 pets each?
b) $3 / 17$ of the total households have $\qquad$ pets each

The table below shows the postage rate for parcels sent overseas.

| Destination Group | Postage Rate |  |
| :--- | :---: | :---: |
|  | First 2 kg | Every additional <br> $\mathbf{5 0 0} \mathrm{g}$ |
| Group A <br> Thailand, Indonesia, <br> Malaysia | $\$ 12$ | $\$ 5$ |
| Group B <br> Hong Kong, Korea, <br> Taiwan | $\$ 18$ | $\$ 7$ |

Mr Wang sent a parcel of mass 6 kg to Indonesiä and another parcel of mass 1.8 kg to Taiwan.

How much did he pay for the postage in total?

The figure below is not drawn to scale. $A B C$ is an equiateral triangle, $D E C$ is a straight line and $\angle B D C$ is $32^{\circ}$.

(a) Each of the statements below is either true, false or not possible to tell from the information given. For each statement, put a tick $(\checkmark)$ to indicate your answer.
smaller than 60A) TrueB) FalseC) Not possible to tell

## Question 45 of 57

ii) AEC is 74A) TrueB) FalseC) Not possible to tell

## Question 46 of 57

iii) The sum of DBC and DEV is 208A) TrueB) FalseC) Not possible to tell
b) In the statement below, choose the words that describe triangle DBC correctly

- Triangle DBC (is / is not) an isosceles triangle because lines DB and BC (are / are not) equal


## Question 48 of 57

Mdm Lily was attracted to the advertisement put up by Cozy Furniture Store. The usual price of a refrigerator, before GST, is $\$ 4200$. It is 3 times the usual price of a sofa set.

## COZY FURNITURE STORE



Sofa set


Mdm Lily bought a sofa set and a refrigerator. She was given a $30 \%$ discount on the refrigerator only.
(a) How much did she pay for the sofa set before GST?
b) How much did she pay for refrigerator after the 7\% GST?

A sum of money was shared among three brothers Ahmad, Fandy and Halim in the ratio of 3:2:1 respectively. After Ahmad gave $\$ 24$ to Fandy and $\$ 12$ to Halim, the ratio of their shares became 2:2:1.
a) How many percent of this sum of money was Halim's share in the end?

## Question 51 of 57

b) How much was Ahmad's share at first?

## Question 52 of 57

Samantha spent $\frac{1}{5}$ of her salary on transport. She spent $\frac{5}{12}$ of her remaining salary and another $\$ 56$ of her salary on groceries. She then saved the rest of her salary.
(a) Samantha spent $\$ 451$ on groceries. How much was her salary?
$\qquad$

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b) How much did Samantha save?

Tables and chairs in a restaurant are arranged as shown in the diagram below.


Figure 1
Figure 2

| Figure Number | Number of Tables used | Number of Chairs used |
| :---: | :---: | :---: |
| 1 | 1 | 6 |
| 2 | 2 | . |
| 3 | 3 | 10 |
| 4 | 4 | (a) |

(a) Complete the table above with the correct answer.
[1]
$\qquad$

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b) Which figure used 54 chairs?

## Question 56 of 57

c) Each table measures 2 m by 1.2 m . What is the perimeter fo the row of table used in figure 12?

Tank A measuring 28 cm by 10 cm by 35 cm was $\frac{2}{5}$ filled with water at first.


When 6 cups, each containing $250 \mathrm{~cm}^{3}$ of water, were poured into Tank A, some water overflowed into Container B. How many litres of water would be collected in Container B?

