Test: $\quad$ Primary 5 Maths (Term 4) - St Nicholas
Points: $\quad 76$ points
Name:
Date:
Signature: $\qquad$

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

## Question 1 of 51

Which one of the following numbers has the digit 2 in the hundred thousands place?A) 2430587B) 2340587C) 3240587D) 3420587 box?
A) 9B) 10C) 29D) 30

Part of a scale is shown below. What is the value of the reading at R?
A) 5.503B) 5.506C) 5.53D) 5.56

Georginia had only the following 7 coins in her pouch.


She took 4 coins from her pouch and dropped them into a donation tin. Which one of the following could not be her total donation?A) $\$ 0.70$B) $\$ 1.75$C) $\$ 2.10$D) $\$ 2.65$

Which one of the following has the same value as $6 \%$ ?
A)


$\frac{3}{50}$D)
$\frac{3}{5}$

## Question 6 of 51

The sides of a triangle are in the ratio of $3: 2: 5$. The longest side is 90 cm . What is the length of the shortest side?A) 18 cmB) 36 cmC) 45 cmD) 225 cm

Use the table below to answer questions 7 and 8 .
The table shows the number of sit-ups a group of boys did during a fitness test. Osman's record had been left out.

| Name | Number of sit-ups |
| :---: | :---: |
| Muthu | 25 |
| Naszri | 19 |
| Osman | $?$ |
| Peng Wei | 24 |
| Quah | 13 |

The five boys did an average of 22 sit-ups. How many sit-ups did Osman do?A) 110B) 81C) 29D) 7

## Question 8 of 51

Who did 6 fewer sit ups than Naszri?A) QuahB) MuthuC) OsmariD) Peng Wei

The figure below shows a rectangle ABDF. Which one of the following pairs of triangles has the same height?

A) Triangle ABC and Triangle EFGB) Triangle AEF and Triangle CAGC) Triangle CAB and Triangle AGFD) Triangle CAF and Triangle CDF

The figure below shows a parallelogram SVUT. TSR is a straight line.
Find $\angle \mathrm{VSR}$.
A) 79B) 101C) 158D) 281

Irfan took out $\frac{3}{8}$ of his money from his wallet.
He used only $\frac{1}{6}$ of what was taken out from his wallet to buy a windbreaker. What fraction of the money taken out from his wallet did Irfan use to buy the windbreaker?
A)
$\frac{1}{16}$
B)
$\frac{5}{24}$
C)
$+\frac{11}{24}$
D)
$\frac{25}{48}$

In Happyworkz Factory, there are 308 workers. $25 \%$ of them are Singaporeans. Among the Singaporean workers, 29 of them are married. The rest are not married. How many of the Singaporean workers are not married?A) 202
B) 106
C) 77
D) 48

The table below shows the ticket prices to a puppet show.
Mrs Lek and Mrs Ding took 8 children to the puppet show.
How much less did the 2 adults pay for their tickets than for the 8 children's tickets?

| Type of ticket | Price per ticket |
| :---: | :---: |
| Per child | $\$ 20$ |
| Per adult | $\$ 32$ |

A) $\$ 44$
B) $\$ 72$
C) $\$ 96$
D) $\$ 224$

Mrs Thiresh prepared $1 \ell$ of orange juice. She spilled $\frac{1}{10} \ell$ of the orange juice. She poured $\frac{2}{3}$ of the remaining orange juice into a flask containing $\frac{4}{5} \ell$ of the same juice. How much orange juice was there in the flask in the end?
A)

$$
1 \frac{1}{10} \mathrm{l}
$$

B)


C
$1 \frac{2}{5} \ell$D)
$1 \frac{11}{30} \ell$

Rhys went to the market to buy onions and prawns.
The prices are shown in the table below.


Rhys bought 0.4 kg of onions. The mass of prawns that she bought was 300 g more than that of the onions. She paid the cashier $\$ 50$. How much change did she receive?A) $\$ 12.90$B) $\$ 20.70$C) $\$ 29.30$D) $\$ 37.10$

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$\qquad$ $=0.015$, what is the missing number?

Look at the models below.
What is the ratio of $P$ to $Q$ to the total of $P$ and $Q$ ?


## Question 20 of 51

A machine prints 35 brochures in 10 seconds. At this rate, how many brochures does the machine print in 1 minute?

Yi Meen has 11 files and Shi Ni has 9 files. How many files will Yi Meen have to give.Shi Ni so that Shi Ni has $\frac{7}{10}$ of the total number of files?

The solid figure below is made up of identical cubes. Draw the top view of the solid figure in the square grid provided.


Please type "done" to proceed to the next question

In the figure below, both AB and CD are straight lines. $\angle \mathrm{p}=\angle \mathrm{q}$. Find $\angle \mathrm{p}$.


The figure below shows a rectangle HJKL and a trapezium EFGH. Find $\angle E H L$.


A cubical container of edge 20 cm was $\frac{3}{5}$ filled with water.
How much more water was needed to fill the cubical container to its brim?

Peggy and her three sisters shared the cost of a gift for their mother equally. Peggy made a mistake and divided the cost of the gift by 3 instead. Each of them ended up paying $\$ 8.90$ more than her share. What shopld be the actual cost of the gift?

The graph below shows the number of text messages Delphi received on her mobile phone per month from May to July. The number of text messages she received in August was equal to the average number of text messages she received from May to July. Draw the bar for August in the graph.


Please type "done" to proceed to the next question

The figure below is made up of squares of the same size. How many more squares must be shaded so that $64 \%$ of the figure is unshaded?


A school hall has chairs of three different colours. $\frac{4}{9}$ of the chairs are yellow.
The number of blue chairs is $\frac{1}{2}$ of the total number of blue and grey chairs.
There are 150 more yellow chairs than blue chairs. How many chairs are there in the school hall altogether?

Azalea had some money at first. She spent $\$ 71$ on some plates and bowls. A plate cost $\$ 7$ and a bowl cost $\$ 2$. She bought 5 more plates than bowls.

Statement:
Azalea had no money left after spending $\$ 71$ on some plates and bowlsA) TrueB) FalseC) Not possible to tell

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Statement:
Azalea bought 15 plates and bowls altogetherA) TrueB) FalseC) Not possible to tell

## Question 32 of 51

# Oretta cycled $2 \frac{1}{8} \mathrm{~km}$ on Thursday. She cycled $1 \frac{9}{10} \mathrm{~km}$ on Saturday. <br> What was the total distance Oretta cycled in the two days? <br> Leave your answer correct to 2 decimai places. 

Meng saved $\$ 47000$ in a bank. The bank paid $5 \%$ interest at the end of each year. He did not withdraw any money from the bank. How much interest did Meng earn at the end of 1 year?

## What is the area of triangle $A B C$ ?



The square grid below shows two sides of a trapezium, $A D$ and $D C$. Complete the trapezium $A B C D$ where $A D / / B C$ and $B C=3$ units. Label the trapezium $A B C D$.


Please type "done" to proceed to the next question

The sum of 19 numbers is 889 . When 6 numbers are removed, the average of all the remaining numbers becomes 39 . Wha is the sum of the 6 numbers which are removed?

## Question 37 of 51 <br> Primary 5 Maths (Term 4) <br> 2 pts

Mrs Seetoh bought some tins of cookies. There were 36 cookies in each tin. Mrs Seetoh divided all the cookies equally into 12 boxes. She gave 3 such boxes to her pupils and 70 cookies to her colleagues. In the end, she had 65 cookies left. How many tins of cookies did Mrs Seetoh buy?

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The total mass of a box with 30 identical cones and 10 identical rubber rings is 169.5 kg .
Each cone has a mass of 3.3 kg . The mass of each rubber ring is the same as the total mass of 2 such cones. What is the mass of the empty box?

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The table below shows the charges for surfing the internet in Wondersurf Cyber Café.

| Duration | Charges |
| :---: | :---: |
| $1^{\text {st }}$ hour | $\$ 8.00$ |
| Subsequent half an hour or part thereof | $\$ 3.50$ |

Viknesh paid $\$ 22$ for surfing the internet in the café. What was the greatest number of hours he spent surfing the internet?

A dress cost $\$ 140$. During a sale, the shop owner gave a discount of $30 \%$ on the dress. Mei Mei bought a few of such dresses and saved a total of $\$ 168$. How many dresses did she buy?

Keegan used identical cubes of edge 1 cm to form the solid figure, as shown below. Then he added some more cubes to the solid figure and rearranged all the cubes to form another bigger cube. What was the least number of cubes that he added to form the bigger cube?


The figure below shows an equilateral triangle BCD and two isosceles triengles DBF and DEF. ABFG is a straight line. Find $\angle E F G$.

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Mr Zid donated $\frac{1}{7}$ of his money to a children's home. He donated $\$ 600$ less to an old folks' home than to the children's home. He had $\$ 9600$ left. How much money did Mr Zid donate to the children's home and the old folks' home altogether?

At Kool Fruitty Stall, there was an equal number of guavas, watermelons and pineapples at first. 54 guavas and 26 watermelons were sold. None of the pineapples was sold. The number of pineapples which was unsold was 4 times of the number of guavas left unsold. What fraction of the total number of fruits at first were sold? Give your answer in the simplest form.
. The graph below shows the number of pancakes sold by a coffeehouse every day from Monday to Friday. Each pancake was sold at $\$ 1.80$.)

(a) Write down all the days when the coffeehouse sold at least 70 pancakes per day.A) MonB) TueC) WedD) ThuE) Fri

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b) The coffee-house sold 21 more pancakes on Saturday then on Friday. What was the average amount of money collected from the sale of pancakes on Friday and Saturday?

Two rectangular tanks are shown below.
Tank $X$ measuring 96 cm by 20 cm by 48 cm was empty. Tank $Y$ was $\frac{5}{6}$ filled with water. Some water in Tank $Y$ was poured into Tank $X$ without any spilling and filled up $\frac{3}{4}$ of Tank $X$. There was $31600 \mathrm{~cm}^{3}$ of water left in Tank $Y$.

(a) What was the volume of water in Tank X?
b) What was the capacity of Tank Y? Leave your answer in litres.

The figure below shows a rhombus MNQR and a triangle URP. RN is a straight line.

(a) Find $\angle N R P$.
b) Find the sum of URT and RPU

In the morning, Tyvia sold some sardine puffs at 6 for $\$ 10$. In the afternoon, she received $\$ 210$ from selling $\frac{7}{12}$ of the remaining sardine puffs at $\$ 2$ each. In the end, she had $\frac{1}{4}$ of the total number of sardine puffs left. How much money did Tyvia receive from selling the sardine puffs in the morning?

