Test: $\quad$ Primary 5 Maths (Term 4) - MGS (2020)
Points: $\quad 53$ points
Name:
Score: $\qquad$

## Date:

Signature: $\qquad$

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

## Question 1 of 53

Round 874532 to the nearest thousand.A) 870000B) 874000C) 875000D) 880000

## Question 2 of 53

Express $2 \frac{3}{25}$ as a decimal.A) 2.03B) 2.12C) 2.325D) 2.6

## Question 3 of 53

$32 \times 200=$ $\qquad$A) 96B) 960C) 9600D) 96000

## Question 4 of 53

Express 1070 cm in metresA) 1.7 mB) 1.07 mC) 10.7 mD) 10.07 m

## Question 5 of 53

Find the value of $\frac{1}{3}+\frac{4}{7}$.
A)

$$
\frac{4}{21}
$$B)

## $\frac{5}{10}$

C)
## $\frac{3}{4}$

D) $\frac{19}{21}$Find the value of $32+18 \times 2-48 \div 4$A) 5B) 13C) 56D) 88

## Question 7 of 53

## Name the line that is perpendicular to CF.

A) OEB) CEC) $A B$D) OB

## Question 8 of 53

There are 28 blue marbles and 32 red marbles in a jar. What is the ratio of the number of blue marbles to the number of red marbles in its simplest form?A) $7: 8$B) $8: 7$C) $7: 15$D) $28: 32$

A photocopy machine can print 800 pages in 1 minute. At this rate, how many pages can it print in 1 hour?A) 4800B) 8000C) 48000D) 80000

## Question 10 of 53

$A C$ is the base of Triangle $A B C$. Which of the following is its height?
A) AEB) BCC) CFD) $B D$

Mel Ling is standing at point X and facing east.
She turns $135^{\circ}$ anti-clockwise. Which point will she be facing?

A) AB) BC) CD) $D$

Lindy bought 2 kg of sugar. She used $\frac{3}{8}$ of it to bake a cake. How much sugar did she use?
A)

$$
\frac{3}{16} \mathrm{~kg}
$$B)

$$
\frac{3}{4} \mathrm{~kg}
$$

$$
1 \frac{1}{4} \mathrm{~kg}
$$D)

$1 \frac{5}{8} \mathrm{~kg}$

Cynthia bought 40 cupcakes. 12 are vanilla cupcakes and the rest are chocolate cupcakes. What percentage of the cupcakes are vanilla cupcakes?A) $70 \%$B) $56 \%$C) $45 \%$D) $30 \%$

## Question 14 of 53

A solid cuboid of height 10 cm has a square base of side 4 cm .
What is its volume?
A) 40 cm 3B) 160 cm 3C) 240 cm 3D) 400 cm 3

Netty made a model using unit cubes. She drew the front view, top view and side views of her model. Which one of the following could be Netty's model?


Front View


Top View


Side View
A)
B)

C)
)


D
D)


Write one million, forty eight thousand and twenty nine in numerals.

## Question 17 of 53

In the figure below, $\angle P Q R=135^{\circ}$ and $\angle P Q S=140^{\circ}$. Find $\angle R Q S$.


Find the value of $\frac{3}{2} \times \frac{5}{4}$.
Express your answer as a mixed number in its simplest form.

The solid below is built with 1-cm cubes. Find the volume of the solid.


In the figure below, $A O D$ is a straight line. $\angle A O B=43^{\circ}$ and $\angle C O D=42^{\circ}$. Find $\angle B O C$.


What is the missing number below?
$18: 10: 4=27:$ $\qquad$ :6

Mrs Chan deposited $\$ 12000$ in the bank for one year. The interest rate is $1 \%$ per year. How much interest did Mrs Chan receive at the end of one year?

## Question 23 of 53

Look at the number line below. What is the decimal indicated by the arrow?


## Question 24 of 53

Find the value of $24.81 \div 30$

Question 25 of 53

The price of a bag $\$ 20$. Mrs Ong bought the bag and had to pay an additional 7\% GST. What was the price of the bag including GST?

The table shows the number of books borrowed from January to May.

| Month | January | February | March | April | May |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Number of <br> books <br> borrowed | 32 | 28 | 46 | 0 | 9 |

Find the average number of books borrowed from January to May.

In figure below, $A O C$ and $B O D$ are straight lines. Find $\angle A O E$.


In the figure below, find the area of the shaded triangle.


The figure below is made up of a square PQRS and 2 rectangles ABQP and $\mathrm{SRCD} . \mathrm{BR}=32 \mathrm{~cm}$ and $\mathrm{PD}=48 \mathrm{~cm}$. Find the perimeter of rectangle $A B C D$.


Cathy worked 4 hours a day for 5 days at a restaurant. She was paid $\$ 8$ per hour. How much was she paid for the 5 days of work?

## Question 31 of 53

Roshan spent $\frac{1}{3}$ of his money. He had $\$ 2400$ left.
How much did he spend?

Question 32 of 53

Mrs Tan bought 12 cupcakes. How much did she pay for the cupcakes?

| Cupcakes for sale |
| :---: |
| Get $\$ 3$ discount when you |
| buy 6 cupcakes. |

The square $A B C D$ is made up of 4 smaller squares. What fraction of the square $A B C D$ is shaded?


Felicia folded 350 paper stars. $\frac{1}{5}$ of the stars are red, $\frac{5}{8}$ of the remaining stars are blue and the rest are white. How many blue stars did she fold?

## Question 35 of 53

The ratio of the number of boys to the number of girls to the number of teachers in a school is $3: 4: 1$

Statement: There are 4 times as many girls as teachersA) TrueB) FalseC) Not possible to tell

Statement: Half of the people in the school are femaleA) TrueB) FalseC) Not possible to tell

## Question 37 of 53

Primary 5 Maths (Term 4)
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Joella was 11 years old and her mother is 39 years old. How old was Joella when her mother was 5 times as old as her?

## Question 38 of 53

In the figure below, $A B C D$ is a square and EDF is a straight line. $\angle C D F=38^{\circ}$. Find $\angle A D E$.


## Question 39 of 53

Mrs Gomez bought 9kg of flour to prepare for a baking class. Each of her 25 students used the same amount of flour. There was 250 g of flour left. How much flour did each of her students use? Give your answer in kilograms.

Hannah, Ivy and Jenny shared a box of cookies in the ratio 3:7:2. Jenny received 25 cookies fewer than Ivy. How many cookies were there altogether?

The picture below shows the ment at a pizza shep.

| Size of pizza | Price |
| :---: | :---: |
| $\frac{1}{8}$ of pizza | $\$ 4$ per slice |
| $\frac{1}{4}$ of pizza | $\$ 7$ per slice |
| $\frac{1}{2}$ of pizza | $\$ 12$ per slice |
| Whole pizza | $\$ 20$ |

Mrs Leong wants to give $\frac{1}{8}$ of a pizza to each of her 35 students.
What is the least amount of money that she has to pay?

The table below shows the taxi charges in Singapore.

| First 1 km or less | $\$ 3.20$ |
| :--- | :--- |
| Every additional 500 m or part thereof | $\$ 0.25$ |

Gopal paid $\$ 19.70$ for his journey. Find the greatest possible distance that he travelled. Give your answer in kilometres.

The bar graph below shows the number of mobile phones sold from January to June at a shop. The bar for the month of April has not been drawn.

(a) $\frac{1}{4}$ of the mobile phones sold in June were Brand X. How many Brand X mobile phones were sold in June?
b) The average number of mobile phones sold from January to June was 115. How many mobile phones were sold in April?

## Question 45 of 53

The average mass of 10 packets of coffee is 2.6 kg . Two packets of coffee with masses 1.2 kg and 800 g are sold.
a) Find the total mass of the 10 packets of coffee

## Question 46 of 53

b) Find the average mass of the remaining 8 packets of coffee
i1. A rectangular tank measuring 60 cm by 20 cm by 48 cm was $\frac{7}{8}$ filled with water. Some of the water from the tank was used to fill 4 identical bottles completely as shown. As a result, the height of the water in the tank dropped to 34 cm . What was the capacity of each bottle? Give your answer in litres.


The first four figures of a pattern are shown below.


The table shows the number of dots in each figure.

| Figure | Number of Dots |
| :---: | :---: |
| 1 | 3 |
| 2 | 5 |
| 3 | 7 |
| 4 | (a) |
| 5 |  |

(a) Complete the table for Figure 5.

Question 49 of 53
b) What is the number of dots in figure 12 ?

Question 50 of 53
c) Which figure number has 113 dots?

Mr Lee bought 3 shirts, 2 belts and 4 pairs of pants for $\$ 486$. Each shirt cost twice as much as a pair of pants. A belt cost $\$ 30$ less than a shirt.
a) Find the cost of a shirt

## Question 52 of 53

b) Find the cost of a belt

Mr Lim donated some books for sale at a school carnival. $\frac{3}{5}$ of the books were fiction books and the rest were non-fiction books.
$\frac{7}{10}$ of the total number of books were sold. $\frac{4}{7}$ of the books sold were
fiction books. There were 32 non-fiction books left unsold. How many fiction books were not sold?

