Test: Primary 5 Maths (Term 4) - Nanyang
Points: $\quad 81$ 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 51

Express 425 m in kilometres.A) 0.425 kmB) 4.025 kmC) 4.25 kmD) 42.5 km

Question 2 of 51

What does the digit 7 in 98.76 stand for?A) 7 onesB) 7 tensC) 7 tenthsD) 7 hundredths

## The figure below is made up of 25 identical squares.



## What percentage of the figure is shaded?

A) $16 \%$B) $32 \%$C) $36 \%$D) $64 \%$
## Question 4 of 51

Mr Ong had $\$ 50$. He spent $30 \%$ of his money on his dinner. How much money did he spend on his dinner?A) $\$ 35$B) $\$ 30$C) $\$ 20$D) $\$ 15$

There were 96 children and 72 of them were boys. What was the ratio of the number of girls to the number of boys?A) $1: 3$B) $1: 4$C) $3: 1$D) $4: 3$

## Question 6 of 51

In the figure below, $B C D$ is a straight line. Find the area of triangle $A B C$.
A) 15 cm 2B) 24 cm 2C) 25 cm 2D) 30 cm 2

## Question 7 of 51

A machine prints 60 worksheets in 1 minute. At this rate, how many worksheets does it print in 6 minutes?A) 240B) 360C) 420D) 480

The figure below is made up of 1 -cm cubes. What is the volume of the
figure?

A) 9 cm 3B) 10 cm 3C) 11 cm 3D) 12 cm 3

Triangles $A, B, C, D$ and $E$ are drawn on the square grid below.


How many of them are isosceles triangles?
A) 5
B) 2
C) 3
D) 4

## Which two lines in the figure below are parallel to each other?


A) AE and EDB) GF and FDC) $A B$ and GCD) $A B$ and FD

What is the missing number?
$5700=570000 \div$ $\qquad$A) 10B) 100C) 1000D) 10000

Jun Rong had some marbles. After he gave $\frac{2}{9}$ of his marbles to Miss Wong, he had 70 marbles left. How many marbles did he have at first?A) 10B) 20C) 90D) 110

Arrange the following fractions from the smallest to the largest.

$$
\frac{3}{4}, \frac{5}{6}, \frac{2}{9}, \frac{1}{3}
$$

A)

## smallest

## largest

1) $\frac{1}{3}, \frac{2}{9}, \frac{3}{4}, \frac{5}{6}$
B)

$$
\frac{1}{3}, \frac{3}{4}, \frac{5}{6}, \frac{2}{9}
$$

C)

$$
\frac{2}{9}, \frac{1}{3}, \frac{5}{6}, \frac{3}{4}
$$

D)
$\frac{2}{9}, \frac{1}{3}, \frac{3}{4}, \frac{5}{6}$

Mr Tan sold 3000 cupcakes. Each cupcake was sold for $\$ 0.90$. The money collected from selling all the cupcakes was given to his 10 assistants. Each assistant received an equal amount of money. How much did each assistant receive?A) $\$ 2.70$B) $\$ 27$C) $\$ 270$D) $\$ 2700$

## Question 15 of 51

Fatimah spent $\$ 88$ on some Chinese storybooks. She spent $\$ 16$ on an English storybook. The average cost of all the storybooks was $\$ 4$. How many storybooks did she buy in total?A) 26B) 22C) 18D) 4

## Question 16 of 51

Find the value of $60 \times 2-80 \div(26+14)$

Find the value of $5 \div 8$
Express your answer as a decimal

## Question 18 of 51

Find the missing number below
$2: 6=18:$ $\qquad$

In the figure below, $P Q R$ is a straight line. $\angle x$ is equal to $\angle y$. Find $\angle \mathrm{y}$.


In the figure below, ACD and BCE are straight lines. Find $\angle \mathrm{ABC}$.

,

Mrs Tay had $\frac{5}{6} \mathrm{~kg}$ of flour. She used $\frac{1}{2}$ of it to bake a cake. How many kilograms of flour did she use to bake the cake? Express your answer as a fraction in its simplest form.

The thickness of a Science textbook is 4.28 cm . What is the total thickness of 4 such textbooks that are stacked on top of one another?

$A B C D$ and DEFG are rectangles. The area of triangle CDF is $24 \mathrm{~cm}^{2}$ and $A G=G D$. Find the area of rectangle $A B C D$.


The solid below is built using identical cubes.


Draw the top view and side view of the solid on the square grids provided below.


Please type
"done" to proceed to the next question

In the figure below, rectangle ABCD is made up of 2 identical squares $A B E G$ and ECDG. $E F H$ is an equilateral triangle and $H G=G F$. Find $\angle B E H$.


Find the average of $1250 \mathrm{~m}, 885 \mathrm{~m}, 750 \mathrm{~m}$ and 4065 m

The first 14 numbers of a repeated number pattern are given below. What is the $427^{\text {th }}$ number?

$$
\begin{array}{r}
3,4,6,2,3,4,6,2,3,4,6,2,3,4 \\
1^{\text {st }} \\
14^{\text {th }}
\end{array}
$$

Use each of the digits below once to form a decimal number that gives 58 when rounded to the nearest whole number.


9

Mr Wong had $8 \frac{1}{5} \mathrm{~kg}$ of potatoes. He had $2 \frac{11}{20} \mathrm{~kg}$ of potatoes more than Mrs Deva. How many kilograms of potatoes did they have altogether? Express your answer as a mixed number in its simplest form.

A jug contains $1 \frac{1}{3} \ell$ of orange juice. How many litres of orange juice are there in 5 such jugs altogether? Express your answer as a mixed number in its simplest form.

The table below shows the mass of newspapers collected by John, Siti and Julie but not Rose. The average mass of newspapers collected by these 4 pupils was 43 kg . What was the mass of newspapers collected by Rose?

| Pupil | John | Siti | Rose | Julie |
| :--- | :---: | :---: | :---: | :---: |
| Mass of <br> newspapers <br> collected | 37 kg | 49 kg | $?$ | 50 kg |

Mr Ng deposits $\$ 15000$ in Saver's Bank for one year. The bank gives an annual interest rate of $1.2 \%$. How much money will he have in the bank at the end of one year?

In the figure below, $A B C D$ is a parallelogram and $C D E$ is an isosceles triangle. $\mathrm{DE}=\mathrm{EC}, \angle \mathrm{DAB}=70^{\circ}$ and $\angle \mathrm{BCE}=25^{\circ}$. Find $\angle \mathrm{CED}$.


## Question 36 of 51

Kim saved a fixed amount of money everyday. Ansel saved 80 cents more than Kym everyday. They started saving on the same day. When Ansel saved \$104.50, Kym saved $\$ 90.10$. How many days did Kim take to save $\$ 90.10$ ?

There were 620 wrist bands. 155 of them were red, 372 of them were blue and the rest were black. What percentage of the wrist bands were black?

The ratio of the number of Singapore stamps to the number of Thailand stamps to the number of Malaysia stamps is $9: 6: 4$. There are 120 fewer Malaysia stamps than Singapore stamps. How many stamps are there altogether?

## In the square grid below, AB and BC are straight lines.

## $A_{D}$ and $B C$ form two sides of a parallelogram $A B C D$. Complete the drawing of parallelogram $A B C D$.



Please type "done" to proceed to the next question

The average mass of a group of girls was 48 kg . After one book who weighed 66 kg joined the group, the average mass of the group became 51 kg . Find the number of girls in the group

A shopkeeper had 49 boxes of staplers. Each box contained the same number of staplers. He took out all the staplers from 7 boxes and packed them into the rest of the boxes. Each of the rest of the boxes then had 12 more staplers than before. How many staplers did the shopkeeper have?

In the figure below, KLMN and NRQP are squares. The length of KN is 5 cm and the length of $N P$ is 13 cm . Find the total area of the shaded parts.


A tank was $\frac{1}{2}$-filled with water at first. After $2 \ell$ of water were poured into the tank, it became $\frac{2}{3}$ filled with water. How much more water would be needed to fill the tank to its brim?

- In the figure, ABCD is a parallelogram and DEFG is a rhombus. CDE is a straight line. $\angle \mathrm{ABC}=45^{\circ}, \angle \mathrm{GAD}=70^{\circ}$ and $\angle \mathrm{FGE}=48^{\circ}$.
(a) Find $\angle A D G$.

b) Find angel AGF

John uses identical circles and identical squares to form figures that follow a pattern as shown below.

Figure 1


Figure 2


Figure 3


Figure 4
(a) The table shows the number of circles and squares for the first four figures. Complete the table for Figure 5.

| Figure Number | $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{3}$ | 4 | 5 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Number of circles | 4 | 6 | 8 | 10 |  |
| Number of squares | 1 | 2 | 3 | 4 |  |
| Total number of circles <br> and squares | 5 | 8 | 11 | 14 |  |

Please type "done" to proceed to the next question

## Question 48 of 51

Primary 5 Maths (Term 4)
b) A figure in the pattern has a total of 35 circles and squares. What is the figure number?
c) Another figure in the pattern had 52 more circles than squares. What is the total number of circles and squares in this figure?

Last Sunday, Mrs Ho drove to a supermarket.
(a) She went there to buy hair shampoo. The hair shampoo was sold in two different sizes. Bottle A contained 300 millilitres of hair shampoo and was sold for $\$ 12$. Bottle B contained 700 millilitres of hair shampoo and was sold for $\$ 21$. Which bottle was cheaper per millilitre, $A$ or $B$ ? How much cheaper was it per millilitre?

b) Mrs Ho's car travelled 25 km on 1 litre of petrol. She drove 4.8 km from the supermarket to her house. How many litres of petrol were used for her car to travel 4.8 km ?

