Test: $\quad$ Primary 5 Maths (Term 4) - ACS
Points: 84 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

Javier and Vincent shared some stickers in the ratio 5:6. Javier had 30 stickers. How many more stickers did Vincent have than Javier?
A) 6B) 15C) 18D) 75

## Question 2 of 53

Express 5.78 km in metresA) 0.578 mB) 57.8 mC) 578 mD) 5780 m

Find the area of the shaded triangle.


7 cm
A) 28 cm 2
B) 56 cm 2C) 84 cm 2D) 100 cm 2

Arrange the fractions below in decreasing order.
$\frac{5}{6}, \frac{3}{2}, \frac{5}{2}, 1 \frac{1}{3}$
A)

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

B)

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

C)

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

D)

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

# Find the value of $\frac{4}{5} \times \frac{3}{8}$ in its simplest form. 

A)

$$
\frac{6}{20}
$$

B)

$$
\frac{3}{10}
$$

C)
$\frac{12}{40}$
$\frac{15}{32}$

## Question 6 of 53

Find the value of $16.8 \div 800$A) 0.021
B) 0.21
C) 2.1D) 21

There was 3.2 L of oil in a container. All the oil was poured into identical bottles, with a capacity of 320 ml each. How many bottles were completely filled up?A) 1B) 10C) 100D) 1000

## Question 8 of 53

In the figure below not drawn to scale, $W X Y Z$ is a trapezium.
$\angle W X Y=56^{\circ}$. Find $\angle X Y Z$.
A) 34B) 56C) 62D) 124

The table below shows the number of pages Ben read from Monday to Friday.

| Day | Monday | Tuesday | Wednesday | Thursday | Friday |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Pages <br> read | 125 | 100 | 100 | 150 | 125 |

What was the average number of pages Ben read over the five days?A) 100B) 120C) 125D) 150

## Question 10 of 53

$6 \%$ of 2400 is $\qquad$A) 24B) 144C) 240D) 1440

## Question 11 of 53

Mindy saved $\$ 70$ in April. Her father gave her $\$ 2$ for every $\$ 5$ she saved. How much did Mindy's father give her?A) $\$ 10$B) $\$ 14$C) $\$ 28$D) $\$ 98$

A container has a square base of side 9 cm and height 30 cm . It is $\frac{1}{3}$ filled with water. How much more water is needed to fill the container to half its capacity?
A) 405 cm 3B) 810 cm 3C) 1620 cm 3D) 2430 cm 3

## In the figure belew not drawn to scale, $A O B$ and $C O D$ are straight lines.

 Find $\angle \mathrm{DOE}$.
A) 22B) 68C) 90D) 112

## Question 14 of 53

A pipe was cut into three pieces in the ratio of 1:3:6. The longest piece was 42 cm long. Find the length of the pipe before it was cut.A) 21 cmB) 28 cmC) 63 cmD) 70 cm

Denise has twice as much money as Ellie. Fred has 3 times as much money as Denise. If Fred has $\$ 60$ more than Ellie, how much money does Ellie have?A) $\$ 10$B) $\$ 12$C) $\$ 15$D) $\$ 30$

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Write six hundred and twenty-eight thousand and fifty-nine in numerals.

## Question 17 of 53

# Janice spent $\frac{1}{2}$ of her salary on a laptop and saved $\frac{1}{4}$ of the remainder. What fraction of her salary did she save? 

## Question 18 of 53

The cost of a pen is $\$ 2.40$. What is the cost of 30 such pens?

# The mass of an apple was $\frac{3}{8} \mathrm{~kg}$. Express the mass of the apple as a decimal. 

## Question 20 of 53

A machine produces 15 toys per minute. How long will the machine take to produce 135 such toys?

## Question 21 of 53

In a basket, the number of fruit to the number of sandwiches to the number of cakes is 6:4:9. There are 45 cakes. How many more fruits than sandwiches are there?

## Question 22 of 53

There ratio of the number of men to the number of women in an office at first was $7: 8$. There were 4 more women than men in the office. 6 men entered the office while 4 women left. What is the ratio of the number of men to the number of women in the office in the end? Express your answer in the simplest form.

Alice and Ben had an equal number of stickers at first. After Alice gave 24 stickers to Ben, Ben had 4 times as many stickers as Alice. How many stickers did Alice have in the end?

The figure below shows a rhombus $A B C D$ not drawn to scale. $\angle A B D=36^{\circ}$. Find $\angle y$.
-


A telecommunications company charges the following rates for telephone calls.

| Duration | Rates |
| :--- | :--- |
| First 5 minutes | $\$ 2.50$ |
| Every additional minute | $\$ 0.60$ |

Sue made a phone call to her friend and talked for 9 minutes.
How much did she have to pay for the call?

In the figure below not drawn to scale, $\mathrm{DE}=\mathrm{EG}=\mathrm{EF}$. Find $\angle \mathrm{DFG}$.


## Question 27 of 53

John's average marks for his first 4 tests is 75 . How many marks must he obtain for his next test if he wants to get an average of 79 marks for his 5 tests?

Hansel had 60 red, blue and green coloured pencils altogether. $\frac{1}{5}$ of them were red. There were 6 more blue coloured pencils than red coloured pencils. What fraction of Hansel's coloured pencils were green?

In the figure below not drawn to scale, ABC is a right-angled triangle and BCDE is a parallelogram. Given that $\angle \mathrm{CDE}=125^{\circ}$ and $\angle \mathrm{DCA}=85^{\circ}$, find $\angle B C A$.


In the figure below, not drawn to scale, PQRS is a square piece of paper that is folded at a corner. Given that $U V$ is 7 cm and $U V=U S$, find the shaded area.


The box below measuring 4 cm by 3 cm by 3 cm is filled with some $1-\mathrm{cm}$ cubes. How many more cubes are needed to fill up the box?


A car can travel 15 km om 1 L of petrol. How many litres of petrol will the car need to travel 448 km ? Give your answer correct to 2 decimal places.

The figure below shows a triangle on a rectangular piece of paper. Ben cut out a square of side 5 cm . Find the area of the shaded figure below.


After Ivan spent $\frac{3}{10}$ of his money, the amount of money he had left was $\$ 64$ more than the amount he had spent. How much money did Ivan have at first?

The table below shows the overseas postal rates.

| Mass step | Postage |
| :--- | :--- |
| First 100 g | $\$ 2.20$ |
| Every additional 10 g | $\$ 0.25$ |

Grace sent a package with a mass of 120 g . How much postage did Grace pay?

Draw a triangle $A B C$ in which $B C=6 \mathrm{~cm}, A B=4 \mathrm{~cm}$ and $\angle A B C=45^{\circ}$.


Please type "done" to proceed to the next question

There were 1200 students in the hall. $\frac{2}{5}$ of the students were boys. 1 $\frac{1}{3}$ of the boys wore spectacles.
(a) How many girls were there in the hall?

## Question 38 of 53

b) How many boys wore spectacles?

Question 39 of 53

Henry bought an equal number of books and files for $\$ 108$. Each book cost $\$ 4$ while each file costs $\$ 3.50$ less than a book.
a) How many books and files did he buy altogether?
b) How much more money did he spend on the books than on the files?

Container X measures 15 cm by 18 cm by 14 cm . It is filled with water to a depth of 10 cm .
a) Find the volume of water in Container $X$.


## Question 42 of 53

b) The water was the poured into cubical container $Y$ until it was filled to the brim. How much water was left in container $X$ ?

Question 43 of 53

Kelly had twice as much money as Lionel. After Kelly gave Lionel some money, each of them had $\$ 600$. How much money did Kelly have at first?

900 students went for a school camp. $35 \%$ of the students were in
Primary 4, $\frac{1}{5}$ of the remainder were in Primary 5 and the rest were in Primary 6.
a) How many Primary 5 students went for the camp?

## Question 45 of 53

b) What percentage of the students were in Primary 6?

Question 46 of 53

Penny bought an equal number of cupcakes and lollipops for a party. The cupcakes were bought at 6 for $\$ 12$ and the lollipops at 10 for $\$ 5$. She paid $\$ 135$ more for the cupcakes than for the lollipops. How many cupcakes and lollipops did she buy altogether?

Mr and Mrs Tan had a total of $\$ 770$. After Mrs Tan spent $\frac{2}{3}$ of her money and Mr Tan spent $\frac{3}{5}$ of his money, they had an equal amount of money left. How much money did Mrs Tan spend?

James and his friends compared their end-of-year Mathematics results. James realised that if he scored 8 marks more, their average marks would be 90 . If he scored 8 marks less, their average marks would be 88 . How many friends did James have?

The figure below shows a square, a rectangle and a triangle.
The square has a length of 12 cm while the rectangle has a length and breadth of 10 cm and 5 cm respectively. Find the shaded area.


The average monthly salary of Adeline and Brenda is $\$ 1800$. Brenda's salary is $\frac{1}{3}$ of Adeline's salary.
a) Find Adeline's monthly salary.
b) A group of girls had an average salary of $\$ 1500$. After including Adeline in the group, the average salary became $\$ 1575$. How many girls were in the group at first?

The patterns below are formed using squares and triangles.


Pattern 1


Pattern 3


Pattern 5


Pattern 7

Using the patterns above, complete the table below.

| Pattern | Number of <br> squares | Number of <br> triangles | Total number of <br> squares and <br> triangles |
| :---: | :---: | :---: | :---: |
| 1 | 1 | $\frac{4}{5}$ |  |
| 3 | $\frac{3}{5}$ | $\frac{12}{11}$ |  |
| 5 | 7 | 16 | 17 |
| 7 | (a) $\frac{\text { (b) }}{[1]}$ |  | (c) $]$ |
| 12 | (1] |  | $[1]$ |

## Question 53 of 53

a) A figure in the pattern has a total number of 149 squares and triangles. What is the pattern number?

