First Term Assessment

Mathematics

Directions for the MATHEMATICS TEST

You are NOT allowed to use any form of a **calculator.**

This test has three sections with a total of 33 items.

SECTION 1 has 19 items (Nos. 1 to 19).

SECTION 2 has 10 items (Nos. 20 to 29).

SECTION 3 has 4 items (Nos. 30 to 33).

Answer **ALL** questions.

Read each question carefully before answering it.

SECTION ONE

Each problem from this section is worth 1 mark.

1) Write in numerals- six hundred and seventeen thousand and four.

Answer = _____

2) Which unit below best measures the amount of tea in a cup?

| millimetres | litres | kilometres | milligrams |

Answer = _____

3) 1067 is how much more than 139?

Answer = _____

4) A notebook costs $7.55 and a pen costs $9.50, Calculate the cost of one notebook and two pens.

Answer = _____

5) What fraction of the shape is shaded? Write your answer to the lowest term.

Answer = ____

6) What is the sum of 6.7, 5 and 3.58?

Answer = _____

7) How many 25 cents coins make up $5.25?

Answer = _____

8) 1603 ÷ 5

Answer = _____

9) Write the decimal number below that has the least value.

0.7   0.39   0.295

Answer = _____

10) How many quarters are there in $2\frac{1}{2}$?

Answer = _____

11) Two meals are prepared. One took 35 minutes and the next took 1 hour and 20 minutes. How much longer did one meal take than the next?

Answer = _____ minutes
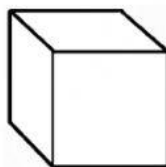
12) Find the mean of the numbers below.

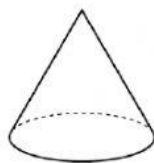| 26	32	23	75

Answer = _____

13) $\frac{4}{15}$ x $\frac{5}{12}$ (To its lowest term)

Answer = _____
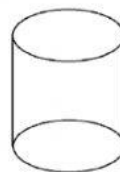
14) Write the letter of the solid that does not have an equal cross section throughout.

A   B   C

Answer = _____

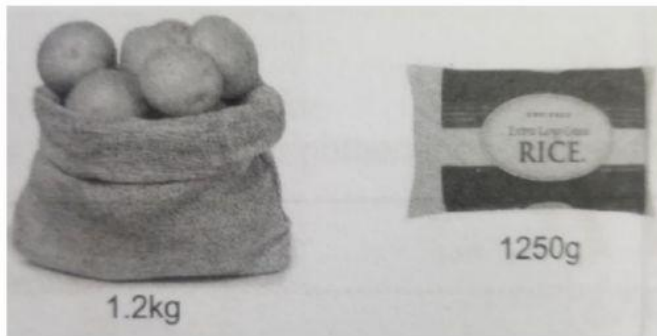15) Change $6\frac{3}{5}$ into an improper fraction.

Answer = _____

16) $\frac{4}{5} \div \frac{8}{9}$ (To its lowest term)

Answer = _____

17) Which item below has the greater mass?

      Potatoes   Rice
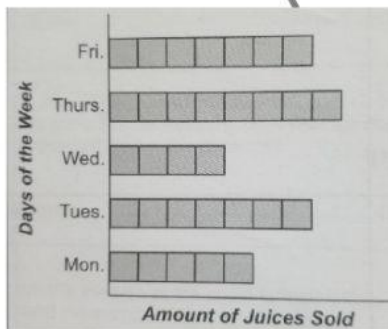
          Answer = _____

18) Convert $\frac{1}{8}$ to a decimal.

          Answer = _____

19) The block graph shows the number of juices sold at a school's cafeteria for a week. If a total of 124 juices were sold, how many juices does one block represent?

          Answer = _____ juices

SECTION 2

This Section contains 10 items with a total of 25 marks.

20) Solve $3\frac{3}{5} + 4\frac{1}{2}$

          Answer = _____   (3 marks)

21) Calculate the quotient between 65.25 and 0.5

        Answer = _____   **(2marks)**

22) A bottle holds 24 litres of oil when full. A chef used $\frac{1}{3}$ of the oil for frying chicken. How many litres of oil were left?

        Answer = _____ litres   **(3marks)**

23) What is the total of 89.6 and 52.37 rounded off to the nearest whole number?

        Answer = _____   **(2marks)**

24) Eight light poles are evenly spaced along a street. A total of 140 PVC pipes of the same length are equally placed between the eight poles.

  a) How many pipes are placed between the first and second poles?

        Answer = _____ pipes

  b) Each pipe is 9 metres long. The pipes are connected end to end just touching each other between the poles. What is the distance between the first and second poles?

        Answer = _____ metres   **(2marks)**

25) Harry has 20 oranges. His share is equal to $\frac{1}{4}$ of Mary's oranges. How many oranges do they have altogether?

        Answer = _____ oranges   **(2 marks)**

26) A coffee shop sold a popular brand of tea over a one-week period. The sales for each day followed a pattern shown in the table below.

  a) Use the pattern to complete the sales for day 6 and day 7 in the table.

  b) How many cups of tea were sold for the one-week period?

Day	1	2	3	4	5	6	7
Number of tea sold	9	16	25	36	49		

        Answer = _____ cups of tea   **(3 marks)**

27) Shane left home for school at 7:10 a.m. He waited 22 minutes to get into maxi taxi. He arrived at school at 8:10 a.m. How long did the maxi taxi take to get to his school?

Answer = _____ minutes **(2 marks)**

28) Mr. Morgan bought some sweets for children in a class. He filled 32 bags of 12 sweets each and had 8 sweets remaining. How many bags could be filled if he uses all the sweets purchased and put 8 sweets in each bag?

Answer = _____ bags **(3 marks)**

29) Isabel and Karen each received a slice of cake. Isabel got $\frac{1}{5}$ while Karen got $\frac{2}{10}$. Isabel was upset as she said that she got the smaller piece. Karen told her that they both got the same size of cake. Who was right and give a mathematical explanation as to why that person was right? **(3 marks)**

Answer:

_____

_____

_____

SECTION 3

This section contains 4 items with a total of 16 marks.

30) Mr. Singh took his wife and three children to movie city. He paid the entrance fee as shown. He bought 4 bags of popcorn at $15.00 per bag and 5 soft drinks at $10.50 each.

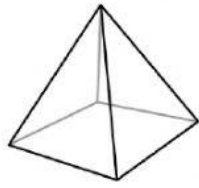| Entrance Fee |
| --- |
| **ADULTS - $50.00** |
| **CHILDREN – Half price** |

a) How much did Mr. Singh spend in total?

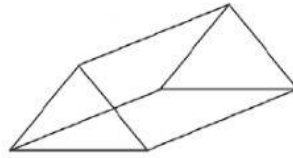**Answer = _____** **(2 marks)**

b) If Mr. Singh paid with $300.00, how much was his change?

Answer = _____ **(2 marks)**

31) Study the diagram then answer the questions.

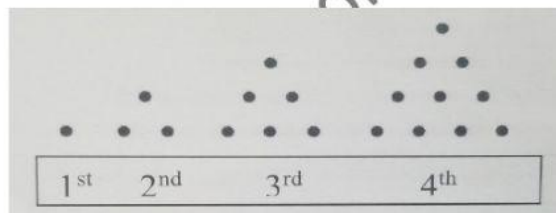
A   B

a) Identify the shapes:

  A _____

  B _____   **(2 marks)**

b) What is the major difference between shapes A and B? Explain.

  Answer   **(2 marks)**

  _____

  _____

  _____

32) Dots were placed in the pattern below.

a) How many dots will be used to form the 7th pattern?
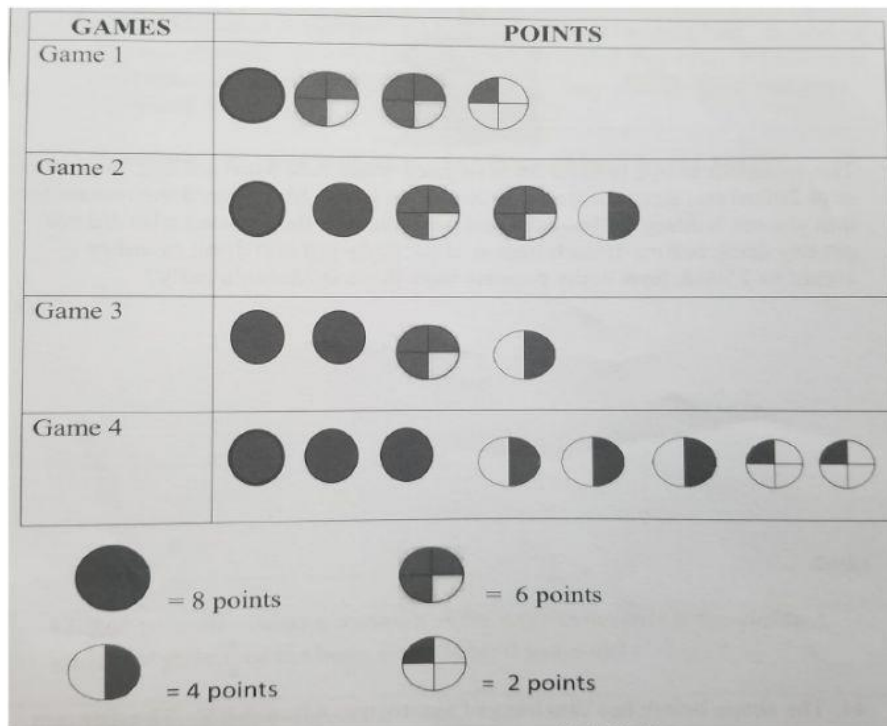
    Answer = _____   **(2 marks)**

b) If 91 dots were used to create the pattern, what pattern number would have been completed?

    Answer = _____   **(2 marks)**

33) The chart below shows the points scored by Josh in four games.

a) How much more did he score in Game 4 than in Game 1?

Answer = _____ points   **(1 mark)**

b) What is his average score?

Answer = _____   **(2 marks)**

c) What is $\frac{3}{8}$ of the total points scored by Josh in the four games?

Answer = _____   **(1 mark)**

The end