

Southern Provincial Department of Education

Year End Test - 2018

Grade 6 Mathematics - I

Name / Index No.

Time - 2 hours

Paper I

- Write down the answers for all the questions.

(01)

How many circles are there in this picture.



(02) Write 6253281 in words.

(03) Draw a number line and mark -2 and 5 on it.

(04) Simplify.

$$\begin{array}{r} (a) \quad 124 \\ + 295 \\ \hline \hline \end{array}$$

$$\begin{array}{r} (b) \quad 191 \\ - 77 \\ \hline \hline \end{array}$$

$$(c) \quad 625 - 12 = \dots\dots\dots$$

$$(d) \quad 283 - 27 = \dots\dots\dots$$


(05) Write 19 as a product of 2 factors.

(06) What is the largest unit fraction.

(07) Simplify. $0.24 + 1.37$

(08) State 2.8kg in grammes.


(09) Write 05th of August 2018 in standard form and 9.02p.m. in standard form.

- (19) 8 student are represented by the symbol  in a picture graph. How many students are represented by .

- (20) Fill in the blank using $>$ or $<$
 2.05 2.5

Paper II

- Write down the answers for the 1st question & 4 other questions.

- (01) (i) In the number 6285,
 a. What is the value represented by 8.
 b. What is the place value of 8.
 c. What is the place of 8. (03 marks)
- (ii) Write the number "two billion forty five million two hundred forty three thousand two" using digits in standard form. (02 marks)
 (02 marks)
- (iii) Write 3 additional bonds of 10.
- (iv) Without simplifying the below expressions state the answer is an even number or an odd number.
 a. $242 + 125$
 b. $308 - 44$
 c. 28×42
 d. $625 \div 5$ (02 marks)
- (v) Write down the first five square numbers. (02 marks)
- (vi) Give reasons why number "1" isn't a prime number. (02 marks)
- (vii)  Draw the next pattern. (02 marks)
- (viii) Which number pattern is represented in the above (vii) dot pattern. (01 mark)

- (02) (i) Fill in the blanks using $>$, $<$
 a. $\frac{1}{8}$ $\frac{1}{5}$ b. $\frac{2}{7}$ $\frac{3}{7}$ c. $\frac{3}{4}$ $\frac{1}{2}$ d. $\frac{2}{3}$ $\frac{5}{6}$ (04 marks)

- (ii) Simplify the following fractions.

a. $\frac{3}{8} + \frac{1}{2}$ b. $\frac{2}{12} - \frac{2}{3}$ (03 marks)

- (iii) A father give $\frac{1}{2}$ of his land to his wife, $\frac{1}{3}$ to his son and he keep the remaining portion for him. Who received the largest portion of the land. (04 marks)

- (03) (i) Write 3 equivalent ratios to 2 : 3 (02 marks)
- (ii) To make a statue 6 pans of cement & 2 pans of sand are mixed together by sanuja.
 a. Write the above information as a ratio. (02 marks)
 b. Write the ratio in the simplest form. (03 marks)
- (iii) Expand 3^3 find the value. (03 marks)
- (iv) Write 256 as a power of 2. (03 marks)

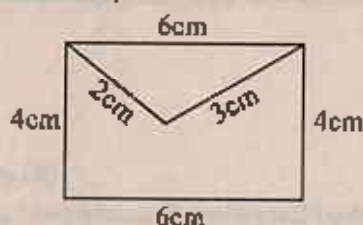
- (04) (i) You know that length, breadth, depth, thickness also indicate lengths. Write 02 examples for situations where information is given using each. (04 marks)

(ii) 2m 20cm

a. State in cm.

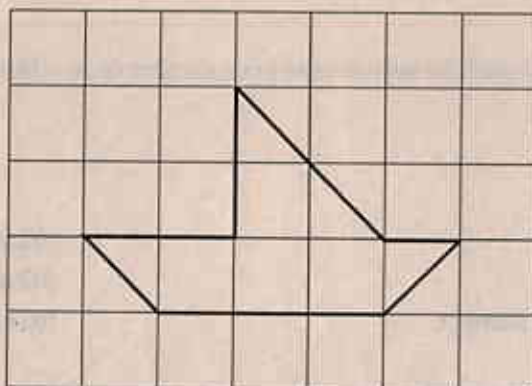
b. State in m. (02 marks)

(iii) find the perimeter of the below figure.

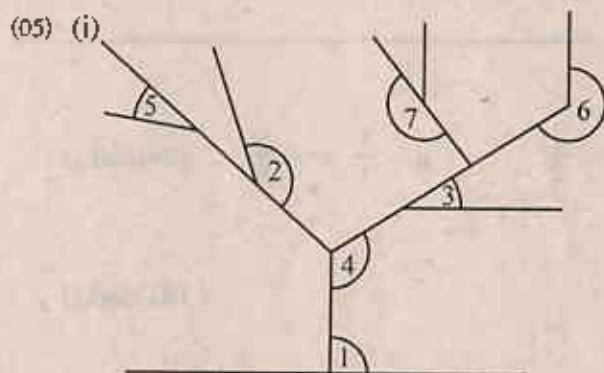


(02 marks)

- (iv) The area of each square is 1cm^2 of the below square grid. Find the area of the shaded figure in cm^2 .



(02 marks)



Write the type of each angle indicate in this figure.

1.
2.
3.
4.
5.
6.
7.

(07 marks)

(ii) Name the solid with 6 faces, 8 vertices and 12 edges. (01 mark)

(iii) Draw a parallelograms & a trapezium and write their features. (03 marks)

- (06) (i) Write the number of books in sathira's bag using an algebraic symbol. (02 marks)
- (ii) There are 5 more books in Nimasha's bag than in sathira's bag. Build up an algebraic expression for the number of books in Nimasha's bag. (02 marks)
- (iii) There are 2 books less in sehas's bag than in sathira's bag. Build up an algebraic expression for the number of books in sehas bag. (02 marks)
- (iv) If $P = 12$ find the value of each algebraic expression.
- a. $P + 7$ (01 mark)
- b. $P - 7$ (02 marks)
- c. $5 + P$ (02 marks)

(07) The mode of transport used by Grade 6 students in Batithi class to come to the school is given below.

Mode of transport	Number of students
By bus	14
By school vans	12
By foot	08
By private vehicles	06
By foot cycle	05

- (i) Represent this data in a picture graph. (05 marks)
- (ii) Which mode is used by the most number of students. (02 marks)
- (iii) Find the total number of students in the class. (01 mark)
- (iv) Write the number of students coming by school vans as a fraction of the total number of students. (03 marks)

1. The first part of the report is a general introduction to the subject of the study. It discusses the importance of the study and the objectives of the research. The second part of the report is a detailed description of the methodology used in the study. This includes a description of the sample, the data collection methods, and the statistical analysis used. The third part of the report is a discussion of the results of the study. This includes a description of the findings and a comparison of the results with previous research. The final part of the report is a conclusion and a list of references.

Table 1	Table 2	Table 3
Table 1	Table 2	Table 3
Table 1	Table 2	Table 3
Table 1	Table 2	Table 3

Table 1: Description of the sample and the data collection methods.

Table 1	Table 2
Table 1	Table 2
Table 1	Table 2
Table 1	Table 2
Table 1	Table 2
Table 1	Table 2

Table 2: Description of the data collection methods. Table 3: Description of the statistical analysis used. The results of the study are presented in Table 4. The findings of the study are discussed in Table 5. The conclusion and the list of references are presented in Table 6.