NEW AL WUROOD INTERNATIONAL SCHOOL, JEDDAH,K.S.A

Affiliated to CBSE – New Delhi

WORK SHEET- 2 **GRADE: 7**

ANNUAL EXAM, 2018-19

SUBJECT: MATHEMATICS

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1) The sum of two rational number is -2. If one of the numbers is -14/5, find the other.
2) The rice bag is 3/8 kg. If the bag weighs ¼ kg. What is the weight of the rice?
3) Find the multiplicative inverse of.
   A) -45/26
   B) -64/90
4) Add the following integers.
   A) -161 + (-131)
   B) -129 + 343
   C) 456 + (-181)
   D) 19+ 43
5) Subtract the following integers.
   A) 181- 69
   B) 68 – (-31)
   C) -13 – (-54)
   D) -62 – 15
6) Honey brought 5534 samosas. How much did he pay if each samosa is $5?
7) Write the properties of a right-angled triangle?
8) Draw three circles that are congruent to each other.
9) Construct a triangle with the length of 3 sides as follows:
   A) 5 cm, 4.5 cm, 3.5 cm
   B) 5.5 cm, 5 cm, 6 cm

C) 7cm, 6 cm, 5 cm

10) Define the following properties.

A) Side sum property

B) Angle sum property

C) Exterior angle property

11) The base of a parallelogram is 4 cm and its height is 10 m, Find its area.

12) The area of a parallelogram is 24 cm^2. Its height is 6 cm. Find its base.

13) Evaluate the expression $7x-3$ if $x=2$.

14) Find the general rule to find the nth term of the series.

A) 5, 12, 19, 26, 33, ……

B) 19, 23, 27, 31, 35, ……...

15) What is the degree of 5.6?

16) What is binomial?

17) What is scientific notation?

18) How to construct a triangle using the ASA rule?

19) Draw two-line segments and two angles that are congruent to each other. Write their measures.

20) Find The perimeter of a rectangle whose length is 40 cm and diagonal is 41 cm.

21) A helicopter took off at the speed of 120 m per minute. How far is the helicopter from the surface at the end of 10 minutes?

22) An airplane covers 1,020 km in an hour. How much distance will it cover in 25/6 hours?

23) Verify A- (-b) = A + b for the values of a and b. Say yes or no.

A) (-16), (17)

B) 89, (56)

24) How will you get to know if a triangle is a right-angled triangle?

25) Can we construct a triangle with the measures of all its angles given? Give reasons.