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

Affiliated to CBSE – New Delhi

WORK SHEET- 1 GRADE: 7

ANNUAL EXAM, 2018-19

SUBJECT: MATHEMATICS

1) Solve.

   A) -6/-9 + 4/-8

   B) 6/-8 + -9/12

   C) -9/2 – 3/9

   D) 7/10 –(-13/4)

   E) -6/66 + 12/126

2) Find the additive inverse of

   A) -45/49

   B) 89/9

3) Subtract the additive inverse of one-third from one-fifth. Subtract one-forth from the difference. Guess who I am?

4) Find the product.

   A) 21/4 × 1/19

   B) 6/9 × -33

   C) -15/26 × -34/18

5) Divide.

   A) 16 ÷ 5/8

   B) 183 ÷ 19/21

   C) -99/28 ÷ -11/36

   D) -67/19 ÷ 78/38

6) The product of two rational numbers is 48/5. If one of the rational number is 66/7, find the other rational number.

7) Which of the given lengths of sides will form a triangle ?

A) 5 cm, 9 cm, 11 cm

B) 7 cm, 4 cm, 12 cm

C) 11 cm, 21 cm, 14 cm

D) 15 cm, 4 cm, 22 cm

8) Draw a triangle ABC. Make a point O anywhere inside the triangle. Measure the length of the sides to prove:

A) AO + BO > AB B) BO + CO >BC

9) Triangle PQR is a right-angled triangle. If The lengths of two of its sides are 12 cm and 5 cm, what is the length of third side?

10) Express the congruence of the given pairs of triangles, if it exists, and write them in symbolic form.

In Triangle ABC, AB = 4.5 cm, BC = 4 cm,angle B = 60°

In Triangle PQR, PQ = 4.5 cm, RQ = 4 cm, Angle Q = 60°

11) Write one difference between the SAS and RHS rule on a right-angled angled triangle.

12) What is ASA rule?

13) Find the perimeter and area.

A) Rectangle, L=12 m and B=9.5 m

B) Square, side=8m

C) Rectangle, L=24.2 cm and B=16.8 cm

D) Square, side=14.5 cm

14) Two triangles have the same height. The base of one triangle is twice as long as other. What is the difference in there areas?

15) The area of a triangle is 10 $cm^2$and its base is 4 cm. Find its height.

16) Draw a factor tree for the expression.

A) $7ab$ B) $10y+2x^2$

17) List the coefficients of x in the expression $x\text{-}7x^2y$.

18) Write an expression to denote the statement, *a number cubed and 4 added to it.*

19) How much greater is $19+20x^2 - 11x$ than $-12x^2 + 6x - 4$?

20) Add the terms.

A) $2xy$ and $6xy$ B) $4x^2$ and $8x^2$

21) What are unlike term?

22) find the value of 6^2, 6^3 and 6^5 and verify whether $6^2 x 6^3 = 6^5$.

23) Solve $(b^n)^4$.

24) What is exponent?

25) What is base?

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