**PRIMARY MATHEMATICS QUIZ**

**NORTHERN PROVINCE- 2012**

1. When 7 is divided by a number, the answer is 21. Find the number.

ANSWER: **.**

1. The sum of three consecutive odd numbers is 15. What are the numbers?

ANSWER: **3,5and 7**

1. **What** is quarter of a third?

ANSWER:.

1. A set has 8 subsets, how many elements has this set:

ANSWER: **3**

1. In a class of 15 pupils, 7 pupils take Fanta and 9 take Sprite. If 2 pupils take neither Fanta nor Sprite, how many pupils take both Fanta and Sprite?

ANSWER: **3**

1. During a test, Paul got 16 out of 20. Calculate his percentage mark:

ANSWER: **80%**

1. A metal rod of length 27.1cm is cut exactly in half. How long is each piece?

ANSWER: **13.55CM**

1. The ratio 75 to 100 in the simplest form is:

ANSWER**: 3:4**

1. Express 0.0025 to a simplest form:

ANSWER: ****

1. Work out 

ANSWER: ****

1. What is 30% of 60?

ANSWER: **18**

1. 451.3 ÷ 100 =

ANSWER: **4.513**

1. Express 25% as a simplest fraction:

ANSWER: 

1. If 3x – 7 = 29, find the value of x

ANSWER:  **X= 12**

 

1. Round off 50952 to the nearest 100:

ANSWER: **51000**

1. How many halves make up 70?

ANSWER: **140**

1. The solution we get after dividing numbers is called…..

ANSWER: **QUOTIENT**

1. What type of an angle is 480?

ANSWER: **ACUTE ANGLE**

1. Express 0.0635 correct to 3 decimal places:

ANSWER: **0.064**

1. How many centimeters are there in 20km?

ANSWER: **2,000,000CM**

1. How much more than 119 is 272?

ANSWER:  **153**

1. Mutinta’s mother is 4 times older than her daughter. If Mutinta’s mother is 28 years old, how is Mutinta?

ANSWER: **7 YEARS OLD**

1. What is the perimeter of a square whose area is 1m2?

ANSWER: **4M**

1. The basic unit of mass is……

ANSWER: **KILOGRAM**

1. What fraction of a day is 3 hours:

ANSWER: 

1. How many sides has a cuboid?

ANSWER: **6 SIDES**

1. Calculate the volume of a cuboid whose area is 10cm2 and height 0.5cm:

ANSWER: **5CM3**

1. How many hours are there in  days?

ANSWER: **84HOURS**

1. Calculate the area of a circle with radius 7cm:

ANSWER: **154CM2**

1. What number is both even and prime?

ANSWER: **2**

1. Half a diameter is called…..

ANSWER:  **RADIUS**

1. Evaluate 32 - 30

ANSWER: **8**

1. Add the sum of 63 and 28 to the product of 14 and 13:

ANSWER: **273**

1. Given that a=4 and b=6, evaluate a2+ b2:

ANSWER: **52**

1. Which one is bigger: 25 or 52

ANSWER: **25 ONE ATTEMPT ONLY**

1. Any number to the power zero is …..

ANSWER: **1**

1. Find the difference between 42and 24:

Answer: **0**

1. 0 is an even number. TRUE OR FALSE:

ANSWER: **TRUE. ONE ATTEMPT ONLY**

1. Given that 4y= 64, find the value of y:

ANSWER: **Y= 3**

1. +3 – (-3) =

ANSWER: **6**

1. Express 128 as a power of 2:

ANSWER: **27**

1. The game between Zambia and Ghana started at 21:15hours and lasted for 1hour 45minutes. At what time did the game finish?

ANSWER: **23:00HOURS**

1. Find the product of 33and 42:

ANSWER: **432**

1. Solve the equation 2x – 3 = 5:

ANSWER: **X=4**

1. 3032five – 1004five =

ANSWER: **2023FIVE**

1. Convert 3minutes 22 seconds to seconds:

ANSWER: **112 SECONDS**

1. What is the other name for base five?

ANSWER: **QUINARY**

1. Change 18 to a binary number:

ANSWER: **10010TWO**

1. Express 36 km/ h to m/min:

ANSWER: **600M/MIN**

1. Evaluate 1 – 0.05 =

ANSWER:  **0.95**

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1. Subtract 7 from -7

ANSWER: **-14**

1. The difference between two numbers is 3 and their sum is 13. Find the two numbers:

ANSWER: **8 AND 5**

1. The number of boys and the number of girls at Kampamba High School are in the ratio 5:3 respectively. If there are 150 girls at this school, how many pupils were at this school?

ANSWER: **400 PUPILS**

1. What fraction is exactly half way between 1/10 and 2/5?

ANSWER: 

1. If your grand- mother celebrated her 92nd birth day in 2012. When was she born?

ANSWER: **1920**

1. A set has 6 elements. How many subsets has this set?

ANSWER: **64 SUBSETS**

1. If 2 \* 5 = 12 means add the first number to twice the second. Find the value of 3 \* 7?

ANSWER: **17**

1. A set within a set is called……

ANSWER: **SUBSET**

 

1. Positive and negative numbers including zero are called…

ANSWER: **INTEGERS**

1. The highest common factor of 13 and 39 is...

**ANSWER: 13**

. 

 **ANSWER**: **4.5**

1. Two angles are complementary. If one angle is 600, find the size of the other angle:

ANSWER: **300**

1. Find the sum of the first 3 even numbers

ANSWER: **6**

1. What is the name given to a polygon with six sides?

ANSWER: **HEXAGON**

1. -2 +(+6) –(+4) =

ANSWER: **0**

1. The average of 6 numbers is 22, find the sum of the numbers:

ANSWER: **132**

1. Which one is bigger: 50%, 1/2, 0.5, 16/32

ANSWER: **THEY ARE EQUAL. TWO ATTEMTS ONLY**

1. Change 33four to base six:

ANSWER: **23SIX**

1. 3+4×2

ANSWER:  **11**

1. Change 3.25kg to grams:

ANSWER: **3250 GRAMS**

1. Find the perimeter of an equilateral triangle with length 8cm:

ANSWER: **24CM**

1. How many seconds are there in 2hours?

ANSWER: **7200 SECONDS**

1. Solve the equation 3x + 5 = 11

ANSWER: **X = 2**

1. The total distance around a given shape is called….

ANSWER:  **PERIMETER**

1. 81 = 3K,find the value of k

ANSWER: **K = 4**

1. State the formula for the volume of the cylinder:

ANSWER: **V = πr2h**

1. The average of the numbers 8, 7, x and 9 is 7. Find the value of x:

ANSWER: **X = 4**

1. Reduce 20 by 5%.

ANSWER: **19**

1. **Multiply 236 by 1026**

**ANSWER: 242,146**

1. Express 4 as a fraction of a dozen in the simplest form:

ANSWER: 

1. -8 ×(-2) ÷(-4) =

ANSWER: **-4**

1. In the number 0.823, the place value of 2 is…

ANSWER: **HUNDREDTHS**

1. Simplify 2a + 2b – a – 2b +a

ANSWER: **2a**

1. 0 ˃-10, TRUE or FALSE

ANSWER: **TRUE. ONE ATTEMPT ONLY**

1. In the number 324five, what is the place value of 3?

ANSWER: **25 or twenty-fives**

1. Simplify 62/4 - 23/4

ANSWER: **2 8/11**

1. Write 238211 as a mixed fraction

ANSWER: **2166/11**

1. **Express** 2700as fraction of a revolution in the lowest term:

**ANSWER: **

1. Find 51/4% of k 800

ANSWER: **K 42**

1. Angles a, b and c are in the triangle. If angle a= 370 and angle c= 810, find the size of angle b.

ANSWER: **b= 620**

1. Given that y = 2x + 1, find y if x = 4:

ANSWER: **Y = 9**

1. Find the difference between 19 and 22:

ANSWER: **-3**

1. **The length** of the rectangle is twice the breadth. If the breadth is 8cm, find the perimeter of this rectangle.

**ANSWER: 48CM**

1. Supplementary angles add up to…….

ANSWER: **1800**

1. If $1 = k 4,900. How much can you get from $ 13?

ANSWER: **K 63,700**

1. Evaluate p-q given that p = 6 and q = -5

ANSWER: **11**

1. **How many cubic centimeters are there in 4 liters of petrol?**

**ANSWER: 4000CM3.**