NAME: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ MATH HOMEWORK - **MONDAY, OCTOBER 21**

**FILL IN EACH BOX WITH THE APPROPRIATE INFORMATION. The first row shows an example.**

|  |  |  |  |
| --- | --- | --- | --- |
| FRACTION: | DIVISION EXPRESSION: | LESS THAN 1EQUAL TO 1 **or**GREATER THAN 1 | UNIT FRACTION EXPRESSION: |
| 5/4 | 5 ÷ 4 | Greater than 1 | 1/4 + 1/4 + 1/4 + 1/4 + 1/4 |
| 5/5 |  |  |  |
| 7/2 |  |  |  |
| 3/10 |  |  |  |

**PLEASE USE YOUR KNOWLEDGE OF FRACTIONS TO ANSWER EACH QUESTION. YOU DO NOT NEED A CALCULATOR TO ANSWER THESE QUESTIONS.**

**1)** If you divide the numerator by the denominator of a fraction on a calculator, your answer will be a different form of a fraction called a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (begins with a “d”).

**2)** In the fraction 3/5, is there the fraction 1? Explain.

**3)** What fraction of the following shapes are triangles?

 △ △ ▭ △ ▭ ▭ △ ▭ ▭ △ △

**4)** Calculate the equivalent fractions below by using the “proof box,”

|  |  |  |
| --- | --- | --- |
|  |  |  |
|  |  |  |

**5)** You have 6 pieces of candy to share with 8 people. What **FRACTION** of the candy will EACH person receive? (**NOTE**: All division problems can be written as fractions).

NAME: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ MATH HOMEWORK - **TUESDAY, OCTOBER 22**

**1)** Is it possible for 6/10 to equal the decimal 6.10? Explain.

**2)** If you multiply 7 times 5/3, the answer will be:

1. LESS THAN 7 **B)** EQUAL TO 7 **C)** GREATER THAN 7

**3)** If you multiply 7 times 3/5, the answer will be:

1. LESS THAN 7 **B)** EQUAL TO 7 **C)** GREATER THAN 7

**4)** If you multiply 7 times 5/5, the answer will be:

1. LESS THAN 7 **B)** EQUAL TO 7 **C)** GREATER THAN 7

**5)** To calculate the decimal for 5/4, should you divide 4 ÷ 5? Explain.

**6)** Use the following unit fraction equation to complete the statement below:

10/6 = 1/6 + 1/6 + 1/6 + 1/6 + 1/6 + 1/6 + 1/6 + 1/6 + 1/6 + 1/6

On a number line, the fraction 10/6 will come between the whole numbers \_\_\_\_\_\_ and \_\_\_\_\_.

**7)** Is the fraction 9/10 less than **one half**, equal to **one half**, or greater than **one half**? How do you know?

**8) USE > (greater than), = (equal to), or < (less than) to compare the following fractions.**

|  |  |  |
| --- | --- | --- |
|  |  |  |

**9)** List the following fractions in order from **least to greatest**. 998/999 10/10 5/3

 \_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_

**10)** You have 1 can of paint. You use 5/24 of the can to paint a room in your house. WHAT **FRACTION** OF THE PAINT IS **LEFT** TO USE FOR A FUTURE PROJECT?

NAME: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ MATH HOMEWORK - **WEDNESDAY, OCTOBER 23**

**1)** You have 8 cans of playdough to share with 9 people. What **FRACTION** of the playdough will EACH person receive? (**NOTE**: All division problems can be written as fractions).

**2)** Calculate the equivalent fractions below by using the “proof box,”

|  |  |  |
| --- | --- | --- |
|  |  |  |
|  |  |  |

**3) USE > (greater than), = (equal to), or < (less than) to compare the following fractions.**

|  |  |  |
| --- | --- | --- |
|  |  |  |

**4) Solve for “X” so that the fraction is equal to ONE-HALF.**

**5)** COMPLETE THE FOLLOWING TABLE.

|  |  |  |
| --- | --- | --- |
| **I HAVE THIS MANY CANS OF PAINT:** | **I USED THIS FRACTION OF THE PAINT:** | **I HAVE THIS FRACTION LEFT:** |
| **1** |  |  |
| **1** |  |  |
| **1** |  |  |

NAME: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ MATH HOMEWORK - **THURSDAY, OCTOBER 24**

**1) PLACE THE FOLLOWING FRACTIONS ON THE NUMBER LINE BELOW:**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**2) CIRCLE ALL OF THE CORRECT SUMS FOR THE FOLLOWING PROBLEM:**

**A)**  **B) C) D)**

**3) Use common denominators to add the fractions below:**

**4) Use common denominators to subtract the fractions below:**