**Name: Class:**

**7th Grade Math Summer Packet/6th Grade Math Retention Assessment**

**1.** Each of the seven CAS basketball players shoot 30 free throws during a practice session. The numbers of baskets they make are listed below. What is the median number of baskets made?

Number of baskets: 22, 23, 12, 18, 22, 20, 16

A. 18 B. 15 C. 20 D. 12

**2.** Ms. Maddock mixes 4 cups of blue paint with 3 ½ cups of red paint to make Perfect Purple Paint. How many cups of red paint does she need if she uses 8 cups of blue Paint?

|  |  |  |
| --- | --- | --- |
| **Paint Color** | **Cups** | **Cups** |
| Red | 3 ½ | ? |
| Blue | 4 | 8 |

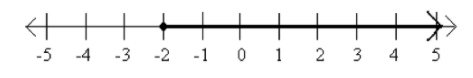
A. 4 cups B. 7 cups C. 2 cups D. 1 cup

**3.** Mr. Sullivan gets 6 apples for 30 oranges. What is the unit rate in ?

**4.** Identify the greatest common factor (GCF) of 48 and 24.

1. 4 B. 6 C. 12 D. 24

**5.** What inequality is represented by this graph?



A. x < -2 B. x > -2 C. x ≤ -2 D. x ≥ -2

**6.** Put the following in increasing order: 0.5, 0.05, 0.49

A. 0.5, 0.05, 0.49 B. 0. 49, 0.05, 0.5 C. 0.05, 0.5, 0.49 D. 0.05, 0.49, 0.5

**7.** What is the solution to the equation: 3y =

A. y = B. y = C. y = D. y =

**8.** Simplify: 12 x 0.6

A. 0.72 B. 7.2 C. 72 D. 720

**9.** Simplify: 2 ÷ 5

A. 2.5 B. .25 C. 4.0 D. 0.4

**10.** Add and reduce to lowest terms: +

A. B. C. D.

**11.** Simplify: x

A. B. C. D.

**12.**  Simplify:÷

A. B. 1 C. D.

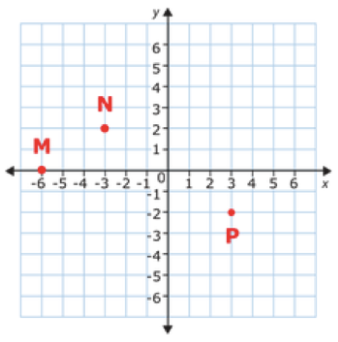
**13.** Write as a decimal:

A. 0.3 B. 3.0 C. 0.03 D. 0.003

**14.** Ms. Grimm has a 20% off coupon. The original price of the shirt she wants to buy is $30. How much money did she save with the coupon?

A. $0.20 B. $1.50 C. $2.40 D. $6

**15.** Name the coordinate that represents the ordered pair: (-3, 2)



A. M B. N C. P D. None of these