**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

***Milestones REVIEW #1 – Write FINAL ANSWER in box but MUST attach all scratch work as PROOF!! No work = No Credit***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| #1Solve and graph: -3x + 2 > -4 | #2In a survey, 10% of the people said they live in a city. If 60 people said they live in the city, how many TOTAL people were surveyed? | #3The ratio of boys to total in a math class is 12:27. How many **girls** are there in the class? | #4$$\left|-32\right|= \\_\\_\\_\\_\\_\\_\\_\\_\\_\\_\\_$$$$\left|8\right|+ \left|-3\right|= \\_\\_\\_\\_\\_\\_\\_\\_$$ | #5-23.5 + -24 = \_\_\_\_\_\_21 + -45 = \_\_\_\_\_\_ |
| #6A 12-pound bag of dog food costs $12.36. A 15-pound bag costs $15.30. Which is the better deal? | #7Frank’s Sports store has a 20% off sale on all of its merchandise. How much is the discount on a baseball glove that originally costs $25? | #8What is 25% as a fraction in simplest form? | #9Find the product of 9 and -3. | #10Expand and Simplify: $6^{2}= $\_\_\_\_\_\_\_\_\_\_\_\_$3^{4}=$ \_\_\_\_\_\_\_\_\_\_\_ |
| #11Combine like terms: 4a + 5 – a + 2 | #12(-4.8)(-0.2) = \_\_\_\_\_\_ | #13Sarah needs $60 for a trip. She has $32. She can earn $4 an hour babysitting. If the equation shows the relationship, how many hours must Sarah work to have the money she needs? 4*h* + 32 = 60 | #147 – 39 = \_\_\_\_\_\_-1.2 – 3 = \_\_\_\_\_\_ | #15Simplify using PEMDAS 52 x (4 ÷2) = |
| #16Find the unit rate:15 laps in 3 days\_\_\_\_\_\_\_laps per day | #17What is the missing value in the proportion?21 = 7 6 ? | #18Find the AREA of the figure below. (*Area = length x width)*9.2 cm 10.3 cm | #19Find the PERIMETER of the figure below. (*Perimeter = s + s + s + s)* 9.2 cm 10.3 cm | #20Simplify using PEMDAS63 ÷ (2 x 6) + 64 = |
| #21Complete the table to find the missing ratios.

|  |  |  |  |
| --- | --- | --- | --- |
| 6 | 12 | 18 |  |
| 5 | 10 |  | 20 |

 | #22Evaluate the expression if **p=20**4p - 3 = \_\_\_\_\_\_\_\_\_ | #23Find the AREA of the figure below. (A = $πr^{2}$) | #24Find the CIRCUMFERANCE of the figure below. (C = $πd$ or C = $2πr$) | #25-48 ÷ -6 = \_\_\_\_\_\_ |
| #26An airplane is 658 feet above sea level. A submarine is 79 feet below sea level. How far below the airplane is the submarine? | #27Solve: -5x – 13 = 18 | #28Write as an algebraic expression: 83 less than a number *n* | #29(8x + 4y – 3) + (-5x – 10y – 4) | #30Use the table to predict the cost of a dozen roses.

|  |  |  |  |
| --- | --- | --- | --- |
| **Roses** | **4** | **6** | **10** |
| **Cost** | **$6** | **$9** | **$15** |

A dozen roses will cost $\_\_\_\_\_\_\_\_ |

***REMEMBER…***

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