The City School

**North Nazimabad Boys Campus**

**Topic: The Standard Form**

**Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class: 8th Sec:\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_**

**Q1: Convert the number as specified,**

1. Convert 0.0000000033 to standard form.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Convert 2.76 × 10 3 to an ordinary number. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Convert 0.000391 to standard form. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. Convert 5.34 × 107 to an ordinary number.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. Convert 1.19 × 1010 to an ordinary number.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. Convert 6.73 × 10-2 to an ordinary number. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
7. Convert 2.72 × 109 to an ordinary number.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
8. Convert 0.00000000603 to standard form.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
9. Convert 53700000 to standard form.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
10. Convert 3.61 × 106 to an ordinary number\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Q2: Calculate (write your answer in standard form)**

1. (7.74 × 10-10 ) + (9.29 × 10-8 ) b) (1.9 × 10 3 ) + (7.6 × 10 5 )

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1. (4.34 × 10 4 ) - (6.9 × 10 3 ) d) (2.39 × 10 -2 ) - (4.59 × 10 -3 )

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1. (2.4 × 10 19 ) ÷ (4 × 10 10 ) e) (1.5 × 10 8 ) ÷ (3 × 10 4 )

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1. (4 × 10 8 ) × (2 × 10 9 ) f) (7 × 10 -3 ) × (4 × 10 -5 )

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**Q3: If p =** $\frac{x-y}{xy }$ **x= 8.5 × 109 , y = 4 × 108 . Find the value of p. Give your answer in standard form .**

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Q4: The table shows the amount of rice grown in some countries in 2002.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | China | Brazil | India | Vietnam |
| Amount(tonnes) | 1.2 × 108 | 7.6 × 106 | 8.0 × 107 | 2.1 × 107 |

1. Calculate the difference in the amount of rice grown in Brazil and Vietnam. Give your answer in standard form.

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1. Calculate the total quantity of rice grown in China and India. Give your answer in standard form.

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