NOMBRE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **TASC Matemáticas** FECHA\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Diagnóstico Preliminar

Instrucciones: Utilice papel borrador para hacer sus cálculos.

**NO SE PERMITE USAR CALCULADORAS**

1. Convierta 0.7 a una fracción común\_\_\_\_\_\_\_\_\_\_
2. ¿Cuál de los siguientes es el número mayor?

 0.82 ; 0.3795 ; 0.805

**Resuelva**

1. 4.81 + 2.7 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. 3.4 – 1.86 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. 2.35 × 1.4 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. 8.06 ÷ 3.1 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. Redondee 435.8267 a la centésima más cercana. \_\_\_\_\_\_\_\_
6. Reduzca a término mínimo
7. Halle el número que falta
8. Halle el número que falta =
9. Arregle de mayor a menor: , , , ,
10. Arregle de menor a mayor: , , , ,
11. Convierta a un número mixto\_\_\_\_\_\_\_\_\_\_\_
12. cambia a una fracción impropia\_\_\_\_\_\_\_\_
13. = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
14. = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
15. = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
16. = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
17. Cambie a un número decimal \_\_\_\_\_\_\_\_
18. Convierta 0.35 a un por ciento \_\_\_\_\_\_\_\_
19. Cambie a un por ciento\_\_\_\_\_\_\_\_\_\_\_
20. ¿15% de 24 es?\_\_\_\_\_\_\_\_\_\_\_\_\_
21. ¿6 es qué % of 24? \_\_\_\_\_\_\_\_\_\_
22. ¿5 es 20% de qué numero?\_\_\_\_\_\_\_\_\_\_

**Resuelva**

1. -2 + 5 – 9 + -2 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. 3 × -4 ÷ 2 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. 3 × -4 ÷ -2 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. 100 ÷ 5 – 3 × 2 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. ¿Cuánto es 43? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. ¿Cuál es el valor de \_\_\_\_\_\_\_\_\_
7. La raíz de se encuentra entre qué dos números consecutivos \_\_\_\_\_\_\_\_ y\_\_\_\_\_\_\_\_\_
8. La raíz cúbica de es\_\_\_\_\_\_\_\_\_
9. ¿Cuánto es 5-2 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
10. (32 ×33)4 = 3 a la potencia de (3?)
11. en su forma más simple es \_\_\_\_\_\_\_\_
12. La respuesta para es \_\_\_\_\_\_\_\_\_\_
13. Simplifique i7 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_

**TASC Math Skills Diagnostic Score Sheet and Khan Academy Aligned Tasks**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **#** | **Khan Academy Aligned Task** | **Correct** | **Incorrect** | **Notes** |
| 1 | Converting decimals to fractions 1 |  |  |  |
| 2 | Ordering decimals |  |  |  |
| 3 | Adding decimals 2 |  |  |  |
| 4 | Subtracting decimals 2 |  |  |  |
| 5 | Multiplying decimals 2 |  |  |  |
| 6 | Dividing decimals 3 |  |  |  |
| 7 | Rounding numbers |  |  |  |
| 8 | Adding fractions with unlike denominators |  |  |  |
| 9 | Equivalent fractions 2 |  |  |  |
| 10 | Proportions 1 |  |  |  |
| 11 | Ordering fractions |  |  |  |
| 12 | Ordering fractions |  |  |  |
| 13 | Converting mixed numbers and improper fractions |  |  |  |
| 14 | Converting mixed numbers and improper fractions |  |  |  |
| 15 | Adding fractions with unlike denominators |  |  |  |
| 16 | Dividing positive fractions |  |  |  |
| 17 | Adding and subtracting mixed numbers with like denominators |  |  |  |
| 18 | Multiplying mixed numbers |  |  |  |
| 19 | Converting fractions to decimals |  |  |  |
| 20 | Converting decimals to percents |  |  |  |
| 21 | Converting percent to decimal and fraction (video) |  |  |  |
| 22 | Finding percents |  |  |  |
| 23 | Finding percents |  |  |  |
| 24 | Finding percents |  |  |  |
| 25 | Adding and subtracting negative numbers |  |  |  |
| 26 | Multiplying and dividing negative numbers |  |  |  |
| 27 | Multiplying and dividing negative numbers |  |  |  |
| 28 | Order of operations |  |  |  |
| 29 | Positive and zero exponents |  |  |  |
| 30 | Square roots of perfect squares |  |  |  |
| 31 | Estimating square roots |  |  |  |
| 32 | Cube roots |  |  |  |
| 33 | Positive and negative exponents |  |  |  |
| 34 | Properties of exponents |  |  |  |
| 35 | Simplifying square roots |  |  |  |
| 36 | Evaluating logarithms |  |  |  |
| 37 | Imaginary unit powers |  |  |  |

Total = / 37 = /100

 **Answer Key: TASC Math Skills Diagnostic**

 0.82 or 0.3795 or 0.805

1. 7.51
2. 1.54
3. 3.29
4. 2.6
5. 435.83
6. =
7.
8.
9. OR
10. OR
11. 0.6
12. 35%
13. 60%
14. 3.6
15. 25%
16. 25
17. -8
18. -6
19. 6
20. 14
21. 64
22. 9
23. 5 and 6
24. 4
25. 20th power (which is 320)
26. 4
27. -i