**REVIEW OF MATHEMATICAL CONCEPTS**

**OPERATIONS ON RATIONAL NUMBERS**

|  |  |
| --- | --- |
| 1. $\left(-20.5\right)+\left(16.3\right)$
 | 1. $\frac{6}{2}+\frac{1}{4}$
 |
| 1. $(12.4)+\left(-6.8\right)$
 | 1. $\frac{15}{6}÷4$
 |
| 1. (-6)(-2.1)
 | 1. $46.2-65.7$
 |
| 1. (32)(0.04)
 | 1. $\frac{7}{11}$
 |
| 1. $\left(-7.5\right)-\left(-5.25\right)$
 | 1. $ -\frac{3}{5}+\frac{1}{2}$
 |
| 1. $\left(-18\right)-\left(0.05\right)$
 | 1. $ -\frac{11}{3}-\frac{-4}{3}$
 |
| 1. $\frac{3}{4}-\frac{1}{4}$
 | 1. $ \frac{1}{10}-\frac{2}{5}$
 |
| 1. $-25\frac{1}{3}+\frac{7}{3}$
 | 1. $ -\frac{2}{9}-\frac{3}{4}$
 |
| 1. $\frac{1}{16}\*\frac{-2}{5}$
 | 1. $ -7.9+2$
 |
| 1. $\frac{\frac{3}{4}}{-\frac{4}{5}}$
 | 1. $\frac{\frac{4}{5}+5}{\frac{20}{3}-5}$
 |

**ORDER OF OPERATIONS**

|  |  |
| --- | --- |
| 1. $11\left(12-8\right)+2-3\left(6\right)$
 | 1. $ 4-7^{2}+8 ÷2\left(-3\right)^{2}$
 |
| 1. $100-4÷20-14$
 | 1. $13-\frac{3\left(-2\right)^{4}}{3-\left(6-10\right)} $
 |
| 1. $16-8 × 4+2$
 | 1. $ 8^{2}-16÷2^{2}×4-3 $
 |
| 1. $12+3\left(6-8\right)^{2} $
 | 1. $ \frac{12÷3×5\left|2^{2}+3^{2}\right|}{7+3-6^{2}} $
 |
| 1. $2\left(3-4\right)-\left(3\right)^{2} $
 | 1. $\frac{6\left(-4\right)-5\left(-3\right)}{9-10}$
 |

**PERCENTS**

|  |  |
| --- | --- |
| 1. Find sixteen percent of 1400
 | 1. 22% of 552?
 |
| 1. Convert 0.006 into a percent
 | 1. Convert 0.0005725% into a decimal
 |
| 1. 28 is what percent of 156
 | 1. 70% of 30 million
 |
| 1. Find 50% of 28,000,000
 | 1. $\frac{1}{4}$ as a percent
 |
| 1. Convert 72.3% into a decimal
 | 1. $\frac{1}{5} $as a percent
 |
| 1. 52% of what is 84?
 | 1. 28% of 500
 |

**FRACTIONS AND DECIMALS**

Convert each fraction to a decimal and each decimal to a fraction.

|  |  |
| --- | --- |
| 1. $\frac{7}{10}$
 | 1. $0.65$
 |
| 1. $\frac{18}{12}$
 | 1. $0.33$
 |
| 1. $\frac{7}{21}$
 | 1. $21.02$
 |

Determine whether each pair of items are equivalent.

|  |  |
| --- | --- |
| 1. $0.75;\frac{3}{4}$
 | 1. $1.50;\frac{5}{4}$
 |
| 1. $5.06;\frac{56}{10}$
 | 1. $0.33; 0.3300$
 |
| Order each of the following from least to greatest. |
| 1. $\frac{1}{3},0.2,\frac{12}{3}$
 | 1. $\frac{3}{2},\frac{5}{4}, 1.5, 1.3,\frac{13}{8}$
 |