

Grade 9 Math – Review Sheet

UNITS	1) NUMERACY (CH. 1)	5) SLOPES AND LINES (CH. 3, 4, 8)
	2) RELATIONSHIPS (CH. 2)	6) MEASUREMENT (CH. 10)
	3) POWERS AND ROOTS (CH. 5)	7) GEOMETRY (CH. 11)
	4) ALGEBRA (CH. 6, 7)	8) STATISTICS (CH. 9)

- Define the following number sets: N, I, Q.
 - List the following number sets:
 - All multiples of 8 Between -35 and 14.
 - All “proper” fractions with denominator less than 6.
- Evaluate the Following Expressions in Simplest Form:
 - $12 + (-13) - (-6)$
 - $\frac{3}{8} + \frac{5}{12} - \frac{5}{6}$
 - $\frac{36}{54} - \frac{22}{33} \times \frac{25}{50}$
 - $8 \times (-2) + (-6) + (-3)$
 - $-\frac{2}{3} \times \frac{-3}{-4} \div \frac{1}{2}$
 - $\frac{5}{8} \div \left(-1\frac{1}{4}\right)$
- Change these to Decimals:
 - $\frac{7}{8}$
 - $\frac{4}{12}$
 - $\frac{6}{7}$
 - $-\frac{17}{8}$
- Change these to fractions in lowest terms:
 - 0.35
 - 1.24
 - 0.3
 - 0.0013
- Graph these on a number line: -3, 0.2, 1, $\frac{5}{2}$, $-\frac{5}{2}$
- Find:
 - 60% of \$2000
 - 0.5% of \$400
- Simplify:
 - $2\frac{1}{4} - \frac{2}{3} \div \left(-\frac{5}{6}\right) - \frac{3}{5} \times \frac{1}{2}$
 - $\frac{-\frac{3}{4} + \frac{5}{8}}{1 - \left(-\frac{3}{4}\right)\left(\frac{5}{8}\right)}$
- “Crazy David’s” is having a sale on stereos. What would you pay for a \$399 stereo if it is being sold at a 30% discount, including 15% sales tax?
- 3 “Ex – Teenagers” find that the product of their ages is 17710. How old are they?
- Illustrate, on a number line, the “difference” between -11 and -3, and write the corresponding “equation”.
- A rectangular lawn has dimensions 24m by 30m. A 6m strip is cut from the outside. What percent of the lawn has been cut?
- A pump removes $\frac{1}{4}$ of the air from a vacuum chamber with every stroke. What fraction of the air remains after 3 strokes?

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J Spring



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