

Chapter 1 - Mathematics As A Living

Chapter 1 - Sample Test

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			ANSWERS
1.	Section 1.9	Under the operation of subtraction, if q represents a number, then what number subtracted from q gives a difference equal to q?	1. _____
2.	Section 1.1	Translate into mathematical symbols. The sum of five and p is divided by t.	2. _____
3.	Section 1.6	Write as a percent: .045.	3. _____
4.	Section 1.3	Find the difference: 24 - 58.	4. _____
5.	Section 1.2	Using $>$, $=$, or $<$, compare -14 $\quad 4$.	5. _____
6.	Section 1.2	Draw and Locate on a number line, the points -2 , 3 , 0	6.
7.	Section 1.1	Identify the variables: $2x^2 - 4x + 6$	7. _____
8.	Section 1.3	Find the sum: $(-3) + (12) + (-6)$.	8. _____
9.	Section 1.8	Which property is suggested: $a(b + c) = ab + ac$	9. _____
10.	Section 1.6	Using $<$, $=$, or $>$, compare $-3/4$ $\quad -1/2$	10. _____
11.	Section 1.5	Write the prime factorization of 126.	11.
12.	Section 1.8	What property of numbers allows us to multiply two numbers in any order?	12. _____
13.	Section 1.8	What property of numbers allows us to add two numbers in any order?	13. _____

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			ANSWERS
14.	Section 1.4	Find the product: $(-4)(3)(-5)$	14. _____
15.	Section 1.4	Determine the quotient: $(-40)/(5)$.	15. _____
16.	Section 1.6	A recent survey was conducted that estimated the number of unemployed people to be 10% of the total population. If there are 320 million people, how many are unemployed?	16. _____
17.	Section 1.10	The graph found below shows the number of students who have graduated but not been able to find a job. Estimate the highest number of students that are unemployed.	17. _____
18.	Section 1.7	Find the product: $(1/4)(-24)$	18. _____
19.	Section 1.7	Find the quotient: $(-4/5) \div (25/26)$	19. _____
20.	Section 1.7	Find the sum: $12/5 + 7/10$	20. _____
21.	Section 1.7 (Optional)	Find the difference: $3/4 - 5/6$	21. _____

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Chapter 1 of this Algebra Math Book has 10 Sections.

- [Sec1.1](#) Numbers and Algebra
- [Sec1.2](#) Integers
- [Sec1.3](#) Adding and Subtracting Integers
- [Sec1.4](#) Multiplying and Dividing Integers
- [Sec1.5](#) Prime Factorization and the Greatest Common Factor
- [Sec1.6](#) Rational Numbers-Decimals and Percents
- [Sec1.7](#) Operations with Fractions
- [Sec1.8](#) Commutative and Associative Properties
- [Sec1.9](#) Operations Involving 0 and 1
- [Sec1.10](#) Applications

For a complete list of the objectives in Chapter 1, please see

[Chapter 1 Objectives](#)