

Algebra 1 – First Semester Standards

Standards covered

- **F1 to F7**
- **L1 to L5**

Chapter 1 Study Guide

- *F6: Interpret the meaning of a graph or chart*
(1-2, 1-6, 1-9, 1-34, 1-47, 1-48, 1-68, 1-69)
- *F1: Diamond problems*
(1-4, 1-21, 1-30, 1-36, 1-44, 1-57, 1-74)
- *L1, L2: Patterns*
(1-31, 1-32, 1-35, 1-56, 1-67, 1-75)
- *F5: Plotting points, Quadrant labels*
(1-7, 1-8, 1-14, 1-70, 1-71)
- *F1: Meaning of Fractions*
(1-25, 1-37, 1-38)
- *F1: Area and Perimeter*
(1-5, 1-11, 1-13, 1-23, 1-26, 1-27, 1-29, 1-39, 1-58, 1-66, 1-73)
- *F1: Integers, Order of Operations*
(1-10, 1-22, 1-24, 1-49)
- *F1: Average*
(1-12, 1-28, 1-45)
- *F1: Guess and Check*
(1-40 to 42, 1-46, 1-50, 1-51, 1-54, 1-55, 1-59 to 63, 1-65, 1-72)

Chapter 2 Study Guide

New Topics

- *F2: Algebra Expressions, Combining Like Terms*
(2-4, 2-6, 2-7, 2-17, 2-26 to 2-29, 2-36 to 2-42, 2-44, 2-48 to 2-50, 2-52, 2-57 to 2-59, 2-64 to 2-67, 2-69, 2-73, 2-77, 2-79, 2-96, 2-115, 2-117, 2-119, 2-121, 2-125)
- *F4, L2, L4: Writing and Solving Linear Equations*
(2-75, 2-76, 2-82 to 2-84, 2-86, 2-94, 2-95, 2-104, 2-105, 2-114, 2-126)
- *F4, L4: Similar Figures*
(2-107, 2-109, 2-123)
- *F4, L4: Proportions*
(2-62, 2-91, 2-97, 2-99, 2-102, 2-106, 2-108, 2-110, 2-112, 2-116)

Review Topics

- *F1: Area and Perimeter*
(2-8, 2-9, 2-13, 2-14, 2-15, 2-19, 2-21, 2-45, 2-60, 2-71, 2-93)
- *F1: Integers, Order of Operations*
(2-10, 2-18, 2-30, 2-33, 2-43, 2-56, 2-61, 2-72, 2-90, 2-124)
- *F1: Guess and Check*
(2-11, 2-32, 2-68, 2-78, 2-87, 2-103, 2-120)
- *F5: Plotting points, Quadrant labels*
(2-20, 2-31, 2-80, 2-88)
- *F1: Diamond Problems*
(2-46, 2-53, 2-89)
- *L1, L2: Patterns*
(2-70, 2-122)
- *F6: Interpret the meaning of a graph or chart*
(2-54, 2-60, 2-98, 2-113, 2-118)
- *F1: Percents and Decimals*
(2-55)
- *F1: Meaning of Fractions*
(2-63)
- *F1: Average*
(2-81)

Chapter 3 Study Guide

New Topics

- *L1, L2: Input / Output Rules*
(3-2, 3-3, 3-6, 3-33 to 3-37, 3-43 to 3-46, 3-48, 3-87 to 3-89, 3-97, 3-99, 3-103, 3-105, 3-113)
- *F5, L1, L2: Input / Output Graphs*
(3-52 to 3-56, 3-65, 3-66, 3-74, 3-86, 3-91, 3-96, 3-114)
- *Multiple Topics In One Problem*
(3-60 to 3-62, 3-83)

Review Topics

- *L1, L2: Patterns*
(3-1, 3-10 to 3-12, 3-18, 3-19, 3-28, 3-47, 3-57, 3-106, 3-107)
- *F6: Interpret the meaning of a graph or chart*
(3-8, 3-51)
- *F2: Algebra Expressions, Combining Like Terms*
(3-4, 3-15, 3-31, 3-75, 3-95, 3-104, 3-109)
- *F4, L2, L4: Writing and Solving Linear Equations*
(3-13, 3-23 to 3-25, 3-29, 3-30, 3-38, 3-49, 3-59, 3-67, 3-69 to 3-71, 3-73, 3-80, 3-84, 3-85, 3-90, 3-93, 3-98, 3-102, 3-112, 3-115)
- *F1: Integers, Order of Operations*
(3-5, 3-14, 3-16, 3-27, 3-39, 3-92, 3-109, 3-110)
- *F1: Area and Perimeter*
(3-58)
- *F1: Diamond Problems*
(3-68, 3-100)
- *F4, L4: Proportions*
(3-17, 3-40, 3-64, 3-76, 3-101, 3-111)
- *F1: Guess and Check*
(3-7, 3-77, 3-94, 3-108)

Chapter 4 Study Guide

New Topics

- *L1 to L3: Pattern ↔ Rule ↔ Graph ↔ Table*
(4-1, 4-8 to 4-11, 4-18 to 4-21, 4-27 to 4-30, 4-37, 4-42, 4-51, 4-52, 4-56, 4-59 to 4-61, 4-65, 4-74, 4-95, 4-107)
- *L1 to L3: Linear Equations: $y = mx + b$*
(4-26, 4-31, 4-49, 4-50, 4-54, 4-62, 4-63, 4-91, 4-104, 4-110, 4-111)
- *L5: Systems of Equations*
(4-67 to 4-69, 4-76 to 4-80, 4-85 to 4-89, 4-92 to 4-94, 4-96 to 4-99, 4-106, 4-109, 4-112, 4-113)

Review Topics

- *L1 to L3: Tile Patterns*
(4-2, 4-35, 4-36, 4-44)
- *F5, L1, L2: Input / Output Graphs*
(4-3, 4-22, 4-25, 4-41, 4-47, 4-102)
- *L1, L2: Input / Output Rules*
(4-7, 4-16, 4-34, 4-100, 4-115)
- *F4, L2, L4: Writing and Solving Linear Equations*
(4-5, 4-13, 4-14, 4-23, 4-32, 4-33, 4-39, 4-45, 4-64, 4-101, 4-105)
- *F2: Algebra Expressions, Combining Like Terms*
(4-6, 4-43, 4-108, 4-114)
- *F1: Guess and Check*
(4-24, 4-103, 4-116)
- *L1: Diamond Problems*
(4-40)
- *F4, L4: Proportions*
(4-15, 4-48, 4-58, 4-66, 4-71)
- *F6: Interpret the meaning of a graph or chart*
(4-46, 4-55, 4-73)
- *F1: Integers, Order of Operations*
(4-57)
- *F1: Area and Perimeter*
(4-72, 4-81, 4-83)
- *F4, L2, L4: Writing Algebraic Expressions/Rules*
(4-75)
- *F5: x and y -intercepts*
(4-82)
- *Misc*
(4-4, 4-17, 4-84, 4-90)