

Covers new Math TEKS!



# Math



# **6<sup>TH</sup> GRADE MATH ANSWER KEY**

# Grade 6 Math Book Key

## Reporting Category 1: Numerical Representations and Relationships

### 6.2(D) Order a Set of Rational Numbers

9

Introduction		Practice		Assessment	
1	C	1	A	1	B
2	A	2	B	2	A
3	B	3	C	3	A
4	D	4	A	4	C
5	C	5	D	5	B
6	A	6	D	6	C
7	C	7	A	7	A
8	A	8	A	8	A
9	A	9	A	9	B
10	B	10	C	10	A

### 6.4(G) Generate Equivalent Fractions, Decimals, and Percents

24

Introduction		Practice		Assessment	
1	D	1	A	1	B
2	C	2	C	2	A
3	D	3	D	3	D
4	A	4	B	4	C
5	0.6	5	A	5	C
6	B	6	C	6	B
7	B	7	D	7	A
8	D	8	B	8	0.45
9	B	9	C	9	D
10	B	10	D	10	C

### 6.7(A) Generate Equivalent Numerical Expressions Using Order of Operations

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Introduction		Practice		Assessment	
1	D	1	B	1	D
2	B	2	C	2	C
3	C	3	B	3	D
4	D	4	A	4	C
5	D	5	B	5	C
6	D	6	C	6	1023.
7	A	7	D	7	C
8	C	8	C	8	C
9	B	9	B	9	B
10	D	10	D	10	D

**6.7(D) Generate Equivalent Numerical Expressions Using Properties of Operations**

**49**

Introduction		Practice		Assessment	
1	B	1	B	1	B
2	D	2	A	2	A
3	C	3	A	3	A
4	A	4	B	4	D
5	A	5	B	5	B
6	B	6	C	6	B
7	D	7	C	7	B
8	B	8	C	8	C
9	C	9	A	9	A
10	D	10	B	10	D

**Supporting Standards 6.2(A)(B)(C)(E), 6.4(C)(D)(E)(F), 6.5(C), 6.7(B)(C)**

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Introduction		Practice 1		Practice 2		Assessment	
1	B	1	A	1	D	1	B
2	D	2	D	2	D	2	B
3	C	3	A	3	A	3	B
4	D	4	B	4	D	4	C
5	D	5	C	5	B	5	D
6	D	6	C	6	C	6	A
7	A	7	A	7	C	7	D
8	C	8	A	8	C	8	B
9	D	9	B	9	D	9	B
10	B	10	C	10	A	10	A

**Reporting Category 2:  
Computations and Algebraic Relationships**

**6.3(D) Add, Subtract, Multiply, and Divide Integers Fluently**

**81**

Introduction		Practice		Assessment	
1	D	1	C	1	D
2	B	2	D	2	C
3	8.	3	A	3	C
4	C	4	-6.	4	C
5	D	5	C	5	D
6	D	6	D	6	D
7	A	7	C	7	7.
8	D	8	D	8	C
9	C	9	A	9	9.
10	D	10	B	10	D

**6.3(E) Multiply and Divide Positive Rational Numbers****95**

<b>Introduction</b>		<b>Practice</b>		<b>Assessment</b>	
1	D	1	D	1	B
2	D	2	B	2	B
3	D	3	A	3	D
4	D	4	B	4	A
5	D	5	D	5	C
6	B	6	C	6	C
7	A	7	B	7	C
8	A	8	C	8	B
9	B	9	C	9	D
10	A	10	12.	10	B

**6.4(B) Solve Real-World Problems Involving Ratios and Rates****108**

<b>Introduction</b>		<b>Practice</b>		<b>Assessment</b>	
1	C	1	B	1	B
2	C	2	C	2	B
3	C	3	C	3	B
4	21.5	4	B	4	A
5	C	5	C	5	A
6	A	6	B	6	C
7	C	7	C	7	C
8	C	8	C	8	C
9	B	9	37.5	9	B
10	C	10	B	10	C

**6.5(B) Solve Real-World Problems Involving Wholes and Percents****120**

<b>Introduction</b>		<b>Practice</b>		<b>Assessment</b>	
1	D	1	19.44	1	D
2	B	2	B	2	B
3	D	3	A	3	C
4	C	4	D	4	A
5	B	5	B	5	A
6	D	6	A	6	C
7	B	7	B	7	C
8	C	8	C	8	B
9	B	9	D	9	C
10	C	10	B	10	A

**6.6(C) Represent a Given Situation Using the Form  $y = kx$  or  $y = x + b$** **132****Introduction**

1	B
2	B
3	A
4	A
5	D
6	C
7	B
8	B
9	A
10	B

**Practice**

1	A
2	C
3	A
4	A
5	B
6	D
7	A
8	A
9	A
10	C

**Assessment**

1	A
2	C
3	B
4	A
5	A
6	A
7	B
8	B
9	A
10	A

**6.10(A) Model and Solve One-Variable, One-Step Equations and Inequalities****150****Introduction**

1	A
2	A
3	C
4	A
5	C
6	A
7	B
8	C
9	C
10	B

**Practice**

1	B
2	C
3	A
4	A
5	B
6	A
7	C
8	B
9	A
10	D

**Assessment**

1	D
2	A
3	C
4	D
5	C
6	A
7	C
8	B
9	D
10	24.

**Supporting Standards 6.3(A)(B)(C), 6.4(A), 6.5(A), 6.6(A)(B), 6.9(A)(B)(C), 6.10(B)****162****Introduction**

1	B
2	B
3	C
4	A
5	A
6	B
7	A
8	A
9	D
10	C

**Practice 1**

1	B
2	A
3	B
4	A
5	B
6	D
7	C
8	D
9	C
10	A

**Practice 2**

1	C
2	A
3	B
4	C
5	B
6	B
7	A
8	D
9	A
10	B

**Assessment**

1	A
2	A
3	A
4	B
5	A
6	7.25
7	D
8	A
9	C
10	D

## Reporting Category 3: Geometry and Measurement

### 6.4(H) Convert Units within a Measurement System

183

Introduction		Practice		Assessment	
1	D	1	D	1	C
2	B	2	B	2	A
3	C	3	D	3	C
4	B	4	B	4	A
5	A	5	B	5	C
6	B	6	12.8	6	B
7	C	7	B	7	B
8	B	8	C	8	C
9	C	9	C	9	D
10	2200.	10	D	10	300.

### 6.8(D) Determine Solutions for Problems Involving Area and Volume

195

Introduction		Practice		Assessment	
1	C	1	81.	1	C
2	D	2	C	2	A
3	D	3	B	3	16.
4	A	4	D	4	C
5	6768.75	5	C	5	C
6	672.	6	B	6	8.5
7	A	7	B	7	A
8	C	8	A	8	B
9	B	9	B	9	B
10	C	10	B	10	D

### 6.11(A) Graph Points in All Four Quadrants Using Ordered Pairs of Rational Numbers

215

Introduction		Practice		Assessment	
1	D	1	A	1	C
2	D	2	B	2	B
3	D	3	A	3	A
4	B	4	D	4	B
5	C	5	C	5	B
6	C	6	C	6	A
7	D	7	C	7	B
8	B	8	C	8	D
9	B	9	B	9	A
10	D	10	D	10	C

**Supporting Standards 6.8(A)(B)(C)****245**

Introduction		Practice 1		Practice 2		Assessment	
1	45.	1	C	1	D	1	B
2	D	2	D	2	B	2	21.7
3	B	3	C	3	D	3	A
4	C	4	C	4	D	4	D
5	D	5	D	5	D	5	C
6	B	6	62.3	6	A	6	C
7	C	7	D	7	A	7	B
8	B	8	A	8	B	8	C
9	D	9	B	9	C	9	B
10	A	10	A	10	77.B	10	C

### Reporting Category 4: Data Analysis and Personal Financial Literacy

**6.12(C) Summarize Numeric Data with Numerical Summaries****276**

Introduction		Practice		Assessment	
1	B	1	B	1	D
2	C	2	D	2	A
3	B	3	C	3	D
4	C	4	C	4	20.
5	A	5	C	5	C
6	B	6	B	6	A
7	28.5	7	C	7	C
8	C	8	A	8	A
9	C	9	B	9	C
10	B	10	B	10	B

**6.12(D) Summarize Categorical Data with Numerical and Graphical Summaries****294**

Introduction		Practice		Assessment	
1	B	1	D	1	D
2	B	2	C	2	A
3	C	3	B	3	C
4	B	4	A	4	A
5	A	5	B	5	C
6	C	6	D	6	B
7	A	7	C	7	D
8	B	8	90.	8	A
9	C	9	A	9	A
10	B	10	D	10	4.

**6.13(A) Interpret Data in Dot Plots, Stem-and-Leaf Plots, Histograms, and Box Plots**

**319**

<b>Introduction</b>		<b>Practice</b>		<b>Assessment</b>	
1	B	1	C	1	A
2	D	2	C	2	A
3	C	3	1.75	3	A
4	C	4	C	4	B
5	A	5	B	5	B
6	C	6	D	6	B
7	D	7	C	7	B
8	D	8	B	8	C
9	B	9	B	9	0.75
10	C	10	C	10	B

**Supporting Standards 6.12(A)(B), 6.13(B), 6.14(A)(B)(C)(E)(F)(G)(H)**

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<b>Introduction</b>		<b>Practice 1</b>		<b>Practice 2</b>		<b>Assessment</b>	
1	A	1	D	1	A	1	A
2	B	2	D	2	C	2	B
3	A	3	B	3	C	3	C
4	A	4	B	4	D	4	C
5	B	5	D	5	B	5	B
6	D	6	D	6	C	6	A
7	C	7	D	7	C	7	C
8	A	8	A	8	B	8	A
9	A	9	B	9	D	9	C
10	B	10	1794.	10	A	10	B

