

Important Concepts . . .

# Preview Review



**Mathematics    Grade 7**  
**W1 - Quiz**

## Important Concepts of Grade 7 Mathematics

W1 - Lesson 1 .....	Divisibility Rules
W1 - Lesson 2 .....	Decimal Numbers
W1 - Lesson 3 .....	Fractions
W1 - Lesson 4 .....	Improper Fractions, Mixed Numbers, Percents, and Decimals
W1 - Lesson 5 .....	Integers, Number Lines, and Sequencing
W1 - Quiz	
W2 - Lesson 1 .....	Table of Values and Graphing Linear Equations
W2 - Lesson 2 .....	Modeling Expressions, Equations, and the Preservation of Equality
W2 - Lesson 3 .....	Algebra and Linear Equations
W2 - Lesson 4 .....	Statistics
W2 - Lesson 5 .....	Circle Graphs and Calculating Probability
W2 - Quiz	
W3 - Lesson 1 .....	Circles
W3 - Lesson 2 .....	Area of Triangles and Parallelograms
W3 - Lesson 3 .....	Line Segments
W3 - Lesson 4 .....	Parts and Plotting on a Cartesian Plane
W3 - Lesson 5 .....	Transformations
W3 - Quiz	

## Materials Required

Math Set  
Calculator

**No Textbook Required**

**This is a stand-alone course.**

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Preview/Review W1 - Quiz  
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# Preview/Review Concepts for Grade Seven Mathematics



*W1 - Quiz:*



Value **W1 - Quiz**  
44

- ⑧ 1. Complete the chart. Put a (✓) if the number is divisible, put a (✗) if not.

	2	3	4	5	6	8	9	10
4410	✓	✓	✗	✓	✓	✗	✓	✓
35								
743								

- ② 2. Explain, using divisibility rules, how you know the number 9532 is a multiple of 4, but not a multiple of 8?

- ③ 3. A contest has the following skill testing question:

$$4 \times (5.1 - 2.1) - 10$$

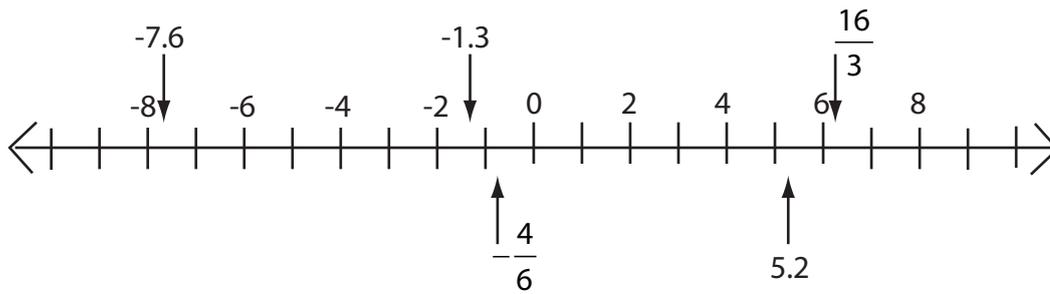
Jim says the answer is 8.3, Mary says the answer is 2. Whose answer is correct?

- ③ 4. Ryan is opening a restaurant. He has 27 tables and wants to cover them with a table cloth. If each table cloth costs \$5.98, how much will Ryan have to spend to cover all his tables?

- 3 5. Which is greater  $\frac{3}{4}$  or  $\frac{5}{6}$ ?
6. Solve.
- 3 a.  $1\frac{2}{8} + 4\frac{1}{3} =$
- 3 b.  $3\frac{3}{4} - 1\frac{3}{8} =$
- 5 7. Sam is making a pizza. If  $\frac{2}{5}$  of the pizza has cheese,  $\frac{2}{8}$  has pepperoni,  $\frac{1}{4}$  pizza sauce, and the remainder has mushrooms. What fraction represents the mushrooms?
- 3 8. Ginny's soccer team won 7 out of 12 games. What percent of games did her team win?
- 6 9. A pair of hockey skates usually costs \$299.98. Hockey World sells a pair on sale for 35% off. Dan's Hockey Outlet is selling the same pair at 15% off, and an extra 20% if you buy on a Saturday. Which store would have the lowest price?

- 3 10. When Brad left for school in the morning, the temperature was  $-11^{\circ}\text{C}$ . If the temperature rose  $12^{\circ}\text{C}$  in the afternoon, but dropped  $7^{\circ}\text{C}$  by the evening, what is the temperature now?

- 2 11. Find the incorrectly placed number on the number line.





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