

1.1 Warm-Up

1. $98 + 196 =$

2. $\frac{1000}{4} =$

3. $12(50) =$

4. $\frac{2}{3}(27) =$

1.2 Warm-Up

Find the next two terms in each sequence. Use a complete sentence to describe how you found the terms.

1. 9, 18, 27, _____, _____, ...

2. 5, 20, 80, _____, _____, ...

3. 5.9, 5.4, 4.9, _____, _____, ...

4. 0.9, 0.09, 0.009, _____, _____, ...

1. You add 9 to the previous term.

2.

3.

4.

1.3 Warm-Up

Find the 10th term in each sequence below. Use a complete sentence to describe how you found the term.

1. 9, 18, 27, ... _____

2. 7, 10, 13, ... _____

3. $\frac{1}{3}$, $\frac{2}{3}$, 1, ... _____

4. 10, 100, 1000, ... _____

Use the order of operations to evaluate each numeric expression.

Show your work.

5. $3 + 7 + 5(6) - 2^3$

6. $3 + (7 + 5) \cdot 6 - 2^3$

1.6 Warm-Up

Use mental math to find the average of each set of numbers.

1. 50, 100

2. 80,000, 100,000, 60,000

Find the average of each set of numbers using a calculator.

3. 79, 59, 83, 97

4. 12, 17, 13, 16, 12, 9, 26

Evaluate each algebraic expression for the given value of the variable. *Show your work.*

5. $19r + 86$ when $r = 2$

6. $2p^2 + 16$ when $p = 7$

1.7 Warm-Up

For each equation, determine whether the given value is a solution of the equation. *Show your work.*

1. $2b = 32$ when $b = 18$

$2(18) = 36$ no

2. $4n + 3n = 15$ when $n = 2$

3. $\frac{3}{h} = 12$ when $h = 36$

4. $80 - m = 16$ when $m = 62$

5. $3r + 6 = 25$ when $r = 6$

6. $2.5w = 12.5$ when $w = 5$

7. $\frac{14p}{6} = 28$ when $p = 4$

8. $-5d - 1 = -16$ when $d = 3$

1.8 Warm-Up

Evaluate each expression. *Show your work.*

1. $3(12) - 4$

2. $16(3 - 2) + 11$

3. $\frac{64}{(2 \cdot 8)}$

4. $[16(14) - 21] \div 7$

5. $(8 - 4 \cdot 2) 45$

6. $3.6(100) + 4$

7. $\frac{9}{6} \left(\frac{12}{6} \right)$

8. $5(7) - 3$

1.9 Warm-Up

Round each value to the nearest ten.

1. 18,932.96

2. 798

Round each value to the nearest hundred dollars.

3. \$4,971,262

4. \$63,847

Round each value to the nearest dollar.

5. \$3.68

6. \$14.49

7. \$.50

8. \$215,818.43

1.10 Warm-Up

Estimate each value from the graph to complete the table.

x Number of Hours	y Number of Miles
1. 12	
2.	1960
3.	100
4. 21	
5. 44	
6.	1490

