

Unit 1 Quiz:

Number Sense and Fluency (Pre-Algebra) Review Packet

Exponents

Rewrite in expanded form:

1. 23^7

2) 3^8

3) 5^6

4) 18^4

Rewrite in exponential form.

1. $x \times x \times x \times x \times x \times x \times x \times x \times x$

2. $13 \times 13 \times 13 \times 13 \times 13$

3. $9 \times 9 \times 9 \times 9$

4. $17 \times 17 \times 17 \times 17 \times 17$

Rewrite in standard form:

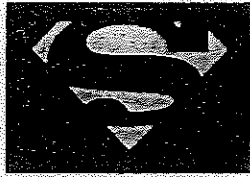
1. 1^{10}

2. 11^5

3. 2^4

4. 13^2

Order of Operations



1. $3 \times 5 \times (6 - 3)$

2. $12 \div 4 \times 2 - 5$

3. $(21 - 8)^2 \times 86 \div 9$

4. $(100 \div 5^2) + 10 + 5$

5. $(8 + 34 - 6) \div 12$

6. $(10 \times 1^5) + (16 \div 2^3 \times 2)^2$

Patterns

Complete the next three numbers in the numerical series.

1. 18, 23, 20, 25, 22, 27, 24, _____, _____, _____

2. 2, 9, 16, 23, 30, 37, 44, _____, _____, _____

3. 5, 10, 7, 14, 11, 22, 19, _____, _____, _____

4. 40, 20, 24, 12, 16, 8, 12, _____, _____, _____

Divisibility Rules

Use your divisibility rules sheet to complete the table. Fill in the table below using \checkmark or \times .

	2	3	4	5	6	8	9	10
384								
6,564								
9,720								
8,580								
13,457								