

Name _____ Date _____

Unit 1 Study Guide: Number Theory

List all factors of the given number.

24 _____

32 _____

42 _____

49 _____

Round 7,845,309 to the nearest...

thousand

ten-thousand

hundred-thousand

million

$4^2 =$ _____ $2^3 =$ _____ $5^2 - 2^2 =$ _____ $4 \times 4 \times 8 \times 8 \times 8 =$ _____

Divisibility.

782	2	3	4	5	6	9	10
412	2	3	4	5	6	9	10
519	2	3	4	5	6	9	10
288	2	3	4	5	6	9	10
525	2	3	4	5	6	9	10
930	2	3	4	5	6	9	10

Find the prime factorization (factor tree) for each number:

<p>36</p> 	<p>45</p> 	<p>56</p>
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Prime or composite?

19 _____ 27 _____ 51 _____ 84 _____

Solve.

$5413 - 1862 =$ _____ $8,000 \times 60 =$ _____ $24,000 =$ _____ $\times 800$