



Place Value, Factors, and Multiples

Blast Through the Numbers!



Name: _____

Date: _____

1. Read and Write Numbers

Use place value to read, write and name the digits.

Example In 482,057 the 8 is in the ten-thousands place. Its value is 80,000.

a) Write in standard form: $400,000 + 30,000 + 5,000 + 200 + 7 =$

b) Write in standard form: six hundred twelve thousand, forty-five =

c) What is the value of the 7 in 729,314?

d) In 56,813, which place is the 6 in?

e) Write 84,630 in expanded form:

2. Compare and Round

Compare from the left. Round using the digit to the right.

Example Round 482,057 to the nearest ten-thousand. The thousands digit is 2. It is less than 5, so round down to 480,000.

a) 345,210 345,201 (write <, > or = in the box)

b) 90,874 109,000 (write <, > or = in the box)

c) Round 6,482 to the nearest hundred.

d) Round 73,596 to the nearest thousand.

e) Round 845,129 to the nearest ten-thousand.





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3. Factor Pairs

Write every pair of numbers that multiply to the number.

Example: Factor pairs of 36: 1×36 , 2×18 , 3×12 , 4×9 , 6×6 .

a) 12	×	×	×
b) 20	×	×	×
c) 24	×	×	×
d) 49	×	×	×
e) 64	×	×	×

4. Multiples

A multiple is what you get when you skip count by a number.

Example: The first four multiples of 7 are 7, 14, 21, 28.

a) First four multiples of 5:				
b) First four multiples of 8:				
c) First four multiples of 12:				
d) Is 54 a multiple of 6? Write Yes or No.				
e) Circle the multiples of 9: 18, 25, 36, 40, 63				



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Answer Key

Teacher Copy



Section 1: Read and Write Numbers

- a) 435,207
- b) 612,045
- c) 700,000
- d) thousands
- e) $80,000 + 4,000 + 600 + 30$



Section 2: Compare and Round

- a) $<$
- b) $>$
- c) 6,500
- d) 74,000
- e) 850,000



Section 3: Factor Pairs

- 12: 1×12 , 2×6 , 3×4
20: 1×20 , 2×10 , 4×5
24: 1×24 , 2×12 , 3×8 , 4×6
49: 1×49 , 7×7
64: 1×64 , 2×32 , 4×16 , 8×8



Section 4: Multiples

- a) 5, 10, 15, 20
- b) 8, 16, 24, 32
- c) 12, 24, 36, 48
- d) Yes
- e) 18, 36, 63



Factor pairs can be written in any order.

