



Factors and Multiples

Chapter: Pre-Algebra • Level ★☆☆ • Time: 30 min

SCORE

___ / 20

Name _____ Class _____ Date _____

AFTER THIS WORKSHEET YOU CAN

- ✓ Find all factors of a number.
- ✓ List the multiples of a number.
- ✓ Test divisibility.
- ✓ Distinguish factors from multiples.

**Section A • Concept Check**

• BEGINNER

$4 \times 1 = 4$

- Which set lists all the factors of 24?
☐ A. 1, 2, 3, 4, 6, 8, 12, 24 ☐ B. 24, 48, 72
☐ C. 1, 3, 5 ☐ D. 2, 4, 8 only
- The first three multiples of 9 are:
☐ A. 9, 18, 27 ☐ B. 3, 6, 9 ☐ C. 9, 81, 729
☐ D. 1, 9, 18
- Is 8 a factor of 56?
☐ A. Yes ☐ B. No ☐ C. Only sometimes
☐ D. Cannot tell
- Which of these is a multiple of 6?
☐ A. 3 ☐ B. 2 ☐ C. 18 ☐ D. 1

**Section B • Problem Solving**

• INTERMEDIATE

$2 + 3 \times 3 = 11$

- A number that divides another exactly is a _____.
- The first three multiples of 9 are 9, 18, _____.
- Find all factors of 24.

- List the first 5 multiples of 9.

- Is 8 a factor of 56?

**Section C • Challenge**

• CHALLENGE

5

- Is 5 a factor of 42?



Reflection — the most useful thing I learned: _____

A ___/4 B ___/11 C ___/5 **Total ___/20**

Teacher's Signature _____

Parent's Signature _____

✂ ANSWER KEY — FOLD OR CUT BEFORE HANDING OUT

1-A 2-A 3-A 4-C | 5 factor 6 27 7 = 1, 2, 3, 4, 6, 8, 12, 24 8 = 9, 18, 27, 36, 45 9
 = Yes ($56/8 = 7$) | 10 = No