



Pattern Recognition

Chapter: Mathematical Reasoning • Level ★★☆☆ •
Time: 30 min

SCORE

___ / 20

Name _____ Class _____ Date _____

AFTER THIS WORKSHEET YOU CAN

- ✓ Continue arithmetic patterns.
- ✓ Continue geometric patterns.
- ✓ Continue decreasing patterns.
- ✓ Continue letter patterns.



Section A • Concept Check

• BEGINNER

$4 \times 1 = 4$

- Find the next number: 4, 9, 14, 19, ...
☐ A. 24 ☐ B. 23 ☐ C. 25 ☐ D. 29
- Find the next number: 3, 9, 27, 81, ...
☐ A. 243 ☐ B. 162 ☐ C. 108 ☐ D. 324
- Find the next number: 50, 45, 40, 35, ...
☐ A. 30 ☐ B. 25 ☐ C. 32 ☐ D. 33
- Find the next letter: A, D, G, J, ...
☐ A. M ☐ B. K ☐ C. L ☐ D. N



Section B • Problem Solving

• INTERMEDIATE

$2 + 3 \times 3 = 11$

- In 4, 9, 14, 19, ... each term increases by _____.
- In 3, 9, 27, 81, ... each term is multiplied by _____.
- Find the next number: 4, 9, 14, 19, ...

- Find the next number: 3, 9, 27, 81, ...

- Find the next number: 50, 45, 40, 35, ...



Section C • Challenge

• CHALLENGE

5

- Find the next letter: A, D, G, J, ...

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-A | 5 5 6 3 7 = 24 8 = 243 9 = 30 | 10 = M (skipping 2 letters each time)