



Name _____ Class _____ Date _____

AFTER THIS WORKSHEET YOU CAN

- ✓ Evaluate powers of numbers. ✓ Apply the product rule $x^m \cdot x^n = x^{m+n}$. ✓ Understand the zero exponent.
- ✓ Recognise negative exponents.



Section A • Concept Check

• BEGINNER

$4 \times 1 = 4$ _____

1 $4^3 = ?$

- ☐ A. 12 ☐ B. 64 ☐ C. 43 ☐ D. 81

2 $10^0 = ?$

- ☐ A. 0 ☐ B. 1 ☐ C. 10 ☐ D. 100

3 $x^5 \cdot x^3 = ?$

- ☐ A. $x \cdot 8$ ☐ B. $x \cdot 15$ ☐ C. $x \cdot 2$ ☐ D. $2x \cdot 8$

4 $2^5 = ?$

- ☐ A. 10 ☐ B. 25 ☐ C. 32 ☐ D. 16



Section B • Problem Solving

• INTERMEDIATE

$2 + 3 \times 3 = 11$ _____

5 Any nonzero base raised to the power 0 equals _____

6 $4^3 =$ _____

7 Evaluate 4^3 .

8 Evaluate 10^0 .

9 Evaluate 2^5 .



Section C • Challenge

• CHALLENGE

5 _____

10 Simplify $x^5 \cdot x^3$.

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-B 2-B 3-A 4-C | 5 1 6 64 7 = 64 8 = 1 9 = 32 | 10 = x^8