BitWith Bite

MATHEMATICS WORKSHEET

Compound Interest

Chapter: Arithmetic · Level ★☆☆ · Time: 30 min

SCORE ___ / 20

Name _____ Class _____ Date _____

AFTER THIS WORKSHEET YOU CAN

✓ Compute compound interest. ✓ Use amount = P(1 + R/100)^T. ✓ Compare simple and compound interest. ✓ Understand compounding.

Section A · Concept Check • BEGINNER 4 × 1 = 4

1 CI on $4,000 at 10% for 2 years = ?

◯ A. $840 ◯ B. $800 ◯ C. $400 ◯ D. $880

2 Amount on $3,000 at 8% for 2 years = ?

◯ A. $3,499.20 ◯ B. $3,480 ◯ C. $3,240 ◯ D. $3,600

3 CI on $10,000 at 5% for 2 years = ?

◯ A. $1,025 ◯ B. $1,000 ◯ C. $500 ◯ D. $1,050

4 Compound interest is calculated on:

◯ A. principal only

◯ B. principal + accumulated interest

◯ C. the rate ◯ D. the time

Section B · Problem Solving • INTERMEDIATE 2 + 3×3 = 11

5 Compound amount = P(1 + R/100)^_____.

6 CI on $4,000 at 10% for 2 years is $_____.

7 Find CI on $4,000 at 10% for 2 years.

8 Find the amount on $3,000 at 8% for 2 years.

9 Find CI on $10,000 at 5% for 2 years.

Section C · Challenge • CHALLENGE 5

10 Find the amount on $2,500 at 10% for 3 years.

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-B | 5 T 6 840 7 = $840 8 = $3,499.20 9 = $1,025 | 10 = $3,327.50