BitWith Bite

MATHEMATICS WORKSHEET

Time & Work

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

SCORE ___ / 20

Name _____ Class _____ Date _____

AFTER THIS WORKSHEET YOU CAN

✓ Express work as a daily rate (1/time). ✓ Add rates for combined work.

✓ Find work done in a given number of days. ✓ Combine three or more workers.

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

1 A: 20 days, B: 30 days → together:

◯ A. 12 days ◯ B. 50 days ◯ C. 25 days ◯ D. 10 days

2 A: 6 days, B: 3 days → together:

◯ A. 2 days ◯ B. 9 days ◯ C. 4.5 days ◯ D. 3 days

3 A's rate is 1/9 per day; in 4 days the work done is:

◯ A. 4/9 ◯ B. 9/4 ◯ C. 1/9 ◯ D. 4

4 If A finishes in n days, A's one-day work is:

◯ A. n ◯ B. 1/n ◯ C. n^2 ◯ D. 1

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

5 If A finishes in n days, A's one-day work is _____.

6 A (20 d) and B (30 d) together take _____ days.

7 A finishes a job in 20 days, B in 30 days. Find combined time.

8 A finishes a job in 6 days, B in 3 days. Find combined time.

9 A's rate is 1/9 per day. How much work is done in 4 days?

Section C · Challenge • CHALLENGE 5

10 A: 15 days, B: 10 days, C: 30 days. Find the combined time for all three.

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 1/n 6 12 7 = 12 days 8 = 2 days 9 = 4/9 of the job | 10 = 5 days