



Name _____ Class _____ Date _____

AFTER THIS WORKSHEET YOU CAN

- ✓ Translate age relationships into equations. ✓ Solve using sums and ratios. ✓ Handle past and future ages.
- ✓ Solve two-person age problems.



Section A · Concept Check

• BEGINNER

$4 \times 1 = 4$

- 1** A is 4 times as old as B; their ages sum to 40. Their ages are:
☐ A. A=32, B=8 ☐ B. A=30, B=10 ☐ C. A=36, B=4
☐ D. A=28, B=12
- 2** A man and his son sum to 60; the man is 4 times as old. Son and man are:
☐ A. 12 and 48 ☐ B. 10 and 50 ☐ C. 15 and 45
☐ D. 20 and 40
- 3** Ages in the ratio 3:4 with a sum of 42 are:
☐ A. 18 and 24 ☐ B. 15 and 27 ☐ C. 20 and 22
☐ D. 12 and 30
- 4** A person's age 8 years ago was 22. Their present age is:
☐ A. 30 ☐ B. 14 ☐ C. 22 ☐ D. 26



Section B · Problem Solving

• INTERMEDIATE

$2 + 3 \times 3 = 11$

- 5** If B's age is x and A is 4 times as old, A = _____.
- 6** A is 4 times B and they sum to 40, so B = _____.
- 7** A is 4 times as old as B. Their ages sum to 40. Find both ages.

- 8** A man and son sum to 60; the man is 4 times as old. Find both.

- 9** Ages are in the ratio 3:4 and the sum is 42. Find both ages.



Section C · Challenge

• CHALLENGE

5

- 10** A person's age 8 years ago was 22. Find the current age.

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 4x 6 8 7 = A = 32, B = 8 8 = Son = 12, Man = 48 9 = 18 and 24 |
 10 = 30