



Name _____ Class _____ Date _____

AFTER THIS WORKSHEET YOU CAN

- ✓ Solve proportions by cross-multiplication. ✓ Use direct proportion. ✓ Solve unit-rate problems.
 ✓ Recognise proportional relationships.



Section A · Concept Check

• BEGINNER

$4 \times 1 = 4$

- 1 Solve $4/9 = x/45$:
☐ A. $x = 20$ ☐ B. $x = 15$ ☐ C. $x = 10$ ☐ D. $x = 5$
- 2 Solve $7/x = 21/30$:
☐ A. $x = 10$ ☐ B. $x = 7$ ☐ C. $x = 90$ ☐ D. $x = 30$
- 3 If 10 L of paint cost \$50, 4 L cost:
☐ A. \$20 ☐ B. \$40 ☐ C. \$12.50 ☐ D. \$25
- 4 A car travels 150 km in 3 h; in 5 h it goes:
☐ A. 250 km ☐ B. 200 km ☐ C. 450 km
☐ D. 300 km



Section B · Problem Solving

• INTERMEDIATE

$2 + 3 \times 3 = 11$

- 5 In a proportion, the _____ products are equal.
- 6 Solving $4/9 = x/45$ gives $x =$ _____.
- 7 Solve for x : $4/9 = x/45$.

- 8 Solve for x : $7/x = 21/30$.

- 9 If 10 L of paint cost \$50, how much do 4 L cost?



Section C · Challenge

• CHALLENGE

5

- 10 A car travels 150 km in 3 hours. How far in 5 hours at the same speed?

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 cross 6 20 7 $x = 20$ 8 $x = 10$ 9 = \$20 | 10 = 250 km