

Ratio Reasoning

Practice — ANSWER KEY

Missing values and fair shares.

Think: To share in a ratio: add the parts, find the size of ONE part, then multiply.

1. Answers with the thinking.

1) 5 identical notebooks cost \$40. How much does ONE notebook cost? **\$8**

↳ $40 \div 5$

3) 6 identical notebooks cost \$12. How much does ONE notebook cost? **\$2**

↳ $12 \div 6$

5) The ratios 3 : 2 and 9 : ? are equal. What is the missing number? **6**

↳ both parts $\times 3$

7) The ratios 3 : 2 and 12 : ? are equal. What is the missing number? **8**

↳ both parts $\times 4$

9) 30 candies are shared between two friends in the ratio 1 : 4. How many does the FIRST friend get? **6**

↳ 5 parts; each part = 6

2) The ratios 3 : 4 and 15 : ? are equal. What is the missing number? **20**

↳ both parts $\times 5$

4) The ratios 3 : 5 and 12 : ? are equal. What is the missing number? **20**

↳ both parts $\times 4$

6) The ratios 3 : 5 and 18 : ? are equal. What is the missing number? **30**

↳ both parts $\times 6$

8) The ratios 1 : 4 and 4 : ? are equal. What is the missing number? **16**

↳ both parts $\times 4$

10) 7 identical notebooks cost \$28. How much does ONE notebook cost? **\$4**

↳ $28 \div 7$