

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) 4 identical notebooks cost \$16. How much does ONE notebook cost? **\$4**

↳ $16 \div 4$

3) 3 identical notebooks cost \$9. How much does ONE notebook cost? **\$3**

↳ $9 \div 3$

5) 15 candies are shared between two friends in the ratio 1 : 4. How many does the FIRST friend get? **3**

↳ 5 parts; each part = 3

7) The ratios 1 : 5 and 5 : ? are equal. What is the missing number? **25**

↳ both parts $\times 5$

9) The ratios 3 : 4 and 18 : ? are equal. What is the missing number? **24**

↳ both parts $\times 6$

2) 42 candies are shared between two friends in the ratio 2 : 5. How many does the FIRST friend get? **12**

↳ 7 parts; each part = 6

4) 24 candies are shared between two friends in the ratio 1 : 5. How many does the FIRST friend get? **4**

↳ 6 parts; each part = 4

6) 3 identical notebooks cost \$15. How much does ONE notebook cost? **\$5**

↳ $15 \div 3$

8) The ratios 3 : 2 and 18 : ? are equal. What is the missing number? **12**

↳ both parts $\times 6$

10) 25 candies are shared between two friends in the ratio 2 : 3. How many does the FIRST friend get? **10**

↳ 5 parts; each part = 5