

Ratio Reasoning

Advanced — ANSWER KEY

Three-part shares and steady rates.

Think: "For every a there are b" means both sides scale by the same factor.

1. Answers with the thinking.

1) \$24 is split among three children in the ratio 2 : 4 : 2.
How much does the child with the LARGEST share get?

\$12

↳ each part = \$3

3) \$28 is split among three children in the ratio 3 : 2 : 2.
How much does the child with the LARGEST share get?

\$12

↳ each part = \$4

5) \$44 is split among three children in the ratio 3 : 4 : 4.
How much does the child with the LARGEST share get?

\$16

↳ each part = \$4

7) In a park, for every 1 oak trees there are 3 pine trees.
There are 8 oaks. How many pines are there? **24**

↳ $\times 8$ on both sides

9) In a park, for every 1 oak trees there are 4 pine trees.
There are 5 oaks. How many pines are there? **20**

↳ $\times 5$ on both sides

2) In a park, for every 2 oak trees there are 1 pine trees.
There are 16 oaks. How many pines are there? **8**

↳ $\times 8$ on both sides

4) In a park, for every 3 oak trees there are 5 pine trees.
There are 12 oaks. How many pines are there? **20**

↳ $\times 4$ on both sides

6) \$50 is split among three children in the ratio 3 : 4 : 3.
How much does the child with the LARGEST share get?

\$20

↳ each part = \$5

8) In a park, for every 1 oak trees there are 4 pine trees.
There are 6 oaks. How many pines are there? **24**

↳ $\times 6$ on both sides

10) In a park, for every 3 oak trees there are 2 pine trees.
There are 18 oaks. How many pines are there? **12**

↳ $\times 6$ on both sides