

# Ratio Reasoning

## Advanced

Three-part shares and steady rates.

Name: \_\_\_\_\_ Date: \_\_\_\_\_

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

### 1. Solve each one. Reason it out!

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

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

\_\_\_\_\_

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

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

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

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

\_\_\_\_\_

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

\_\_\_\_\_

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

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

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

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