

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) A toy car drives 4 meters every second. At this steady rate, how far does it drive in 40 seconds? _____
- 2) A toy car drives 5 meters every second. At this steady rate, how far does it drive in 40 seconds? _____
- 3) In a park, for every 1 oak trees there are 4 pine trees. There are 7 oaks. How many pines are there? _____
- 4) \$32 is split among three children in the ratio 1 : 4 : 3. How much does the child with the LARGEST share get? _____
- 5) \$30 is split among three children in the ratio 1 : 2 : 3. How much does the child with the LARGEST share get? _____
- 6) \$45 is split among three children in the ratio 3 : 3 : 3. How much does the child with the LARGEST share get? _____
- 7) \$40 is split among three children in the ratio 1 : 3 : 4. How much does the child with the LARGEST share get? _____
- 8) In a park, for every 4 oak trees there are 5 pine trees. There are 12 oaks. How many pines are there? _____
- 9) A toy car drives 4 meters every second. At this steady rate, how far does it drive in 20 seconds? _____
- 10) \$32 is split among three children in the ratio 1 : 3 : 4. How much does the child with the LARGEST share get? _____