

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) \$50 is split among three children in the ratio 2 : 4 : 4. How much does the child with the LARGEST share get?

\$20

↳ each part = \$5

3) \$16 is split among three children in the ratio 1 : 3 : 4. How much does the child with the LARGEST share get?

\$8

↳ each part = \$2

5) \$40 is split among three children in the ratio 2 : 4 : 4. How much does the child with the LARGEST share get?

\$16

↳ each part = \$4

7) A toy car drives 6 meters every second. At this steady rate, how far does it drive in 20 seconds? **120 m**

↳ 6×20

9) A toy car drives 5 meters every second. At this steady rate, how far does it drive in 20 seconds? **100 m**

↳ 5×20

2) A toy car drives 6 meters every second. At this steady rate, how far does it drive in 40 seconds? **240 m**

↳ 6×40

4) A toy car drives 3 meters every second. At this steady rate, how far does it drive in 40 seconds? **120 m**

↳ 3×40

6) In a park, for every 2 oak trees there are 1 pine trees. There are 8 oaks. How many pines are there? **4**

↳ $\times 4$ on both sides

8) \$45 is split among three children in the ratio 3 : 4 : 2. How much does the child with the LARGEST share get?

\$20

↳ each part = \$5

10) A toy car drives 6 meters every second. At this steady rate, how far does it drive in 30 seconds? **180 m**

↳ 6×30