

Find a quantity given one part and the ratio

NAME	DATE	SCORE / 10
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- 1** The ratio of boys to girls in a club is 3:7. There are 42 girls in the club. How many boys are in the club?

- 2** The ratio of boys to girls in a club is 3:2. There are 12 girls in the club. Ivy says there are 13 boys, because 3 is 1 more than 2, and $12 + 1 = 13$. How many boys are in the club?

- 3** A gardener mixes soil and compost in the ratio 4:1. The gardener uses 8 litres of soil. How many litres of compost does the gardener use?

- 4** The ratio of boys to girls in a club is 4:5. There are 20 boys in the club. Leo says there are 21 girls, because 5 is 1 more than 4, and $20 + 1 = 21$. How many girls are in the club?

- 5** Green paint is mixed from blue and yellow paint in the ratio 5:3. Ana uses 10 cups of blue paint. How many cups of yellow paint does Ana use?

- 6** A bag has red and blue marbles in the ratio 9:8. There are 24 blue marbles in the bag. Ben says there are 25 red marbles, because 9 is 1 more than 8, and $24 + 1 = 25$. How many red marbles are in the bag?

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- 7** Dev and Ivy save money in the ratio 6:5. Dev saves \$30. How much money does Ivy save, in dollars?

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- 8** The ratio of boys to girls in a club is 2:9. There are 8 boys in the club. Noah says there are 15 girls, because 9 is 7 more than 2, and $8 + 7 = 15$. How many girls are in the club?

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- 9** Maya and Cleo save money in the ratio 1:4. Cleo saves \$20. How much money does Maya save, in dollars?

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- 10** A bag has red and blue marbles in the ratio 9:7. There are 18 red marbles in the bag. Ana says there are 16 blue marbles, because 7 is 2 less than 9, and $18 - 2 = 16$. How many blue marbles are in the bag?

Find a quantity given one part and the ratio

1	18
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3	2
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5	6
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7	25
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9	5
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2	18
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4	25
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6	27
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8	36
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10	14
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