

Find a quantity given one part and the ratio

NAME	DATE	SCORE / 10
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- 1** A gardener mixes soil and compost in the ratio 3:4. The gardener uses 6 litres of soil. How many litres of the mix does the gardener make?

- 2** A bag has red and blue marbles in the ratio 5:2. There are 10 blue marbles in the bag. Ben says there are 13 red marbles, because 5 is 3 more than 2, and $10 + 3 = 13$. How many red marbles are in the bag?

- 3** Ana and Noah save money in the ratio 6:7. Noah saves \$56. How much money does Ana save, in dollars?

- 4** The ratio of boys to girls in a club is 4:3. There are 8 boys in the club. Leo says there are 7 girls, because 3 is 1 less than 4, and $8 - 1 = 7$. How many girls are in the club?

- 5** A gardener mixes soil and compost in the ratio 1:4. The gardener uses 7 litres of soil. How many litres of compost does the gardener use?

- 6** A bag has red and blue marbles in the ratio 6:5. There are 10 blue marbles in the bag. Maya says there are 11 red marbles, because 6 is 1 more than 5, and $10 + 1 = 11$. How many red marbles are in the bag?

- 7** The ratio of boys to girls in a club is 1:3. There are 21 girls in the club. How many boys are in the club?

- 8** A bag has red and blue marbles in the ratio 7:6. There are 14 red marbles in the bag. Emma says there are 13 blue marbles, because 6 is 1 less than 7, and $14 - 1 = 13$. How many blue marbles are in the bag?

- 9** The ratio of boys to girls in a club is 6:5. There are 18 boys in the club. How many children are in the club in all?

- 10** A bag has red and blue marbles in the ratio 5:8. There are 24 blue marbles in the bag. Cleo says there are 21 red marbles, because 5 is 3 less than 8, and $24 - 3 = 21$. How many red marbles are in the bag?

Find a quantity given one part and the ratio

1	14
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3	48
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5	28
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7	7
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9	33
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2	25
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4	6
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6	12
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8	12
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10	15
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