

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 4:3. The gardener uses 28 litres of soil. How many litres of the mix does the gardener make?

- 2** A bag has red and blue marbles in the ratio 3:4. There are 16 blue marbles in the bag. Noah says there are 15 red marbles, because 3 is 1 less than 4, and $16 - 1 = 15$. How many red marbles are in the bag?

- 3** Noah and Maya save money in the ratio 1:6. Maya saves \$36. How much money does Noah save, in dollars?

- 4** A bag has red and blue marbles in the ratio 5:7. There are 15 red marbles in the bag. Ben says there are 17 blue marbles, because 7 is 2 more than 5, and $15 + 2 = 17$. How many blue marbles are in the bag?

- 5** Ivy and Emma save money in the ratio 7:2. Emma saves \$4. How much money do Ivy and Emma save in all, in dollars?

- 6** A bag has red and blue marbles in the ratio 7:4. There are 12 blue marbles in the bag. Emma says there are 15 red marbles, because 7 is 3 more than 4, and $12 + 3 = 15$. How many red marbles are in the bag?

- 7** The ratio of boys to girls in a club is 1:4. There are 9 boys in the club. How many children are in the club in all?

- 8** A bag has red and blue marbles in the ratio 5:2. There are 20 red marbles in the bag. Dev says there are 17 blue marbles, because 2 is 3 less than 5, and $20 - 3 = 17$. How many blue marbles are in the bag?

- 9** Noah and Ana save money in the ratio 1:7. Noah saves \$9. How much money does Ana save, in dollars?

- 10** A bag has red and blue marbles in the ratio 6:7. There are 24 red marbles in the bag. Noah says there are 25 blue marbles, because 7 is 1 more than 6, and $24 + 1 = 25$. How many blue marbles are in the bag?

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1	49
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3	6
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5	18
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7	45
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9	63
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2	12
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4	21
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6	21
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8	8
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10	28
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