

Ratio to Percentage Worksheet

10 questions on ratios and percentages. Answer key on page 2.

Name: _____

Date: _____

Add the parts of the ratio to get the total, divide each part by the total, then multiply by 100. To turn a percentage into a ratio, pair it with what is left of 100 and simplify. Round to two decimal places where needed.

1. Convert 3:7 to percentages.

2. Convert 1:4 to percentages.

3. Convert 5:3 to percentages.

4. Convert the three-part ratio 2:3:5 to percentages.

5. Convert the three-part ratio 1:1:2 to percentages.

6. Write 60% as a ratio in its simplest form.

7. Write 35% as a ratio in its simplest form.

8. A drink is mixed 1 part syrup to 4 parts water. What percent is syrup?

9. A class has boys to girls in the ratio 7:8. What percent are girls?

10. A budget is split 3:5:2 across rent, food and savings. What percent is savings?

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Answer key

Check your work against the method, not just the final number.

Q	Answer	Working
1	30% and 70%	Total 10: $3 \div 10$ and $7 \div 10$
2	20% and 80%	Total 5: $1 \div 5$ and $4 \div 5$
3	62.5% and 37.5%	Total 8: $5 \div 8$ and $3 \div 8$
4	20%, 30%, 50%	Total 10
5	25%, 25%, 50%	Total 4: $1 \div 4$, $1 \div 4$, $2 \div 4$
6	3:2	60:40, divide both by 20
7	7:13	35:65, divide both by 5
8	20%	Total 5: $1 \div 5$
9	53.33%	Total 15: $8 \div 15$ (boys are 46.67%)
10	20%	Total 10: $2 \div 10$

Ratios are read part to part here, so 3:1 means 75% and 25%, not 300%. Rounded shares can miss 100% by a hundredth, for example 1:1:1 gives 33.33% three times.