



Name: _____

Date: _____

1. A recipe uses 8 cups flour to 1 cups sugar. For 16 cups flour, how much sugar?

2. A car goes 208 miles in 2 hours. What is the unit rate (miles per hour)?

3. Which ratio is equivalent to 6:5?

6:15

9:8

18:5

18:15

4. Write the ratio 20:4 in simplest form. ____:1

5. 3 notebooks cost \$12. What is the cost per notebook?

6. In a class the ratio of boys to girls is 4:3. If there are 21 students, how many are boys?

10

9

15

12



7. The bar shows the ratio 2:2. If you scale it by 4, what is the new ratio?



8:8

2:8

6:6

8:2

8. A recipe uses 4 cups flour to 8 cups sugar. For 16 cups flour, how much sugar?

32

30

35

29

9. A car goes 147 miles in 2 hours. What is the unit rate (miles per hour)?

10. Which ratio is equivalent to 6:2?

6:6

18:2

18:6

9:5

11. Write the ratio 20:20 in simplest form. ____:1



12. 7 notebooks cost \$21. What is the cost per notebook?

13. In a class the ratio of boys to girls is 4:3. If there are 28 students, how many are boys?

17 15 16 14

14. The bar shows the ratio 3:4. If you scale it by 4, what is the new ratio?



12:16 3:16 7:8 12:4

15. A recipe uses 1 cups flour to 3 cups sugar. For 3 cups flour, how much sugar?

10 8 9 6

16. A car goes 116 miles in 3 hours. What is the unit rate (miles per hour)?



17. Which ratio is equivalent to 1:2?

1:4

2:4

2:2

3:4

18. Write the ratio 12:8 in simplest form. ____:2



Answer Key

1. **2** The ratio 8:1 scales by 2, so sugar = 2.
2. **104** $208 \div 2 = 104$ mph.
3. **18:15** Multiply both parts by 3: 18:15.
4. **5** Divide both by 4: 5:1.
5. **\$4** $12 \div 3 = 4$ per notebook.
6. **12** $4 + 3 = 7$ parts. $21 \div 7 = 3$ per part. Boys = $4 \times 3 = 12$.
7. **8:8** Scale both parts by 4: 8:8.
8. **32** The ratio 4:8 scales by 4, so sugar = 32.
9. **74** $147 \div 2 = 74$ mph.
10. **18:6** Multiply both parts by 3: 18:6.
11. **1** Divide both by 20: 1:1.
12. **\$3** $21 \div 7 = 3$ per notebook.
13. **16** $4 + 3 = 7$ parts. $28 \div 7 = 4$ per part. Boys = $4 \times 4 = 16$.
14. **12:16** Scale both parts by 4: 12:16.
15. **9** The ratio 1:3 scales by 3, so sugar = 9.
16. **39** $116 \div 3 = 39$ mph.
17. **2:4** Multiply both parts by 2: 2:4.
18. **3** Divide both by 4: 3:2.