



Name: _____

Date: _____

1. A recipe uses 6 cups flour to 2 cups sugar. For 24 cups flour, how much sugar?

7

8

10

9

2. A car goes 26 miles in 3 hours. What is the unit rate (miles per hour)?

3. Which ratio is equivalent to 1:6?

3:8

1:12

2:12

2:6

4. Write the ratio 15:20 in simplest form. ____:4

5. 6 notebooks cost \$24. What is the cost per notebook?

6. In a class the ratio of boys to girls is 1:2. If there are 15 students, how many are boys?



7. The bar shows the ratio 5:4. If you scale it by 3, what is the new ratio?



8:7

15:12

5:12

15:4

8. A recipe uses 1 cups flour to 7 cups sugar. For 3 cups flour, how much sugar?

17

20

21

19

9. A car goes 120 miles in 5 hours. What is the unit rate (miles per hour)?

10. Which ratio is equivalent to 4:4?

8:8

16:16

16:4

4:16

11. Write the ratio 5:20 in simplest form. ____:4



12. 4 notebooks cost \$20. What is the cost per notebook?

13. In a class the ratio of boys to girls is 2:4. If there are 30 students, how many are boys?

10 11 9 7

14. The bar shows the ratio 5:3. If you scale it by 2, what is the new ratio?



10:6 5:6 10:3 7:5

15. A recipe uses 4 cups flour to 7 cups sugar. For 16 cups flour, how much sugar?

25 28 24 32

16. A car goes 145 miles in 4 hours. What is the unit rate (miles per hour)?



17. Which ratio is equivalent to 4:1?

12:3

4:3

12:1

7:4

18. Write the ratio 4:8 in simplest form. ____:2



Answer Key

1. **8** The ratio 6:2 scales by 4, so sugar = 8.
2. **9** $26 \div 3 = 9$ mph.
3. **2:12** Multiply both parts by 2: 2:12.
4. **3** Divide both by 5: 3:4.
5. **\$4** $24 \div 6 = 4$ per notebook.
6. **5** $1 + 2 = 3$ parts. $15 \div 3 = 5$ per part. Boys = $1 \times 5 = 5$.
7. **15:12** Scale both parts by 3: 15:12.
8. **21** The ratio 1:7 scales by 3, so sugar = 21.
9. **24** $120 \div 5 = 24$ mph.
10. **16:16** Multiply both parts by 4: 16:16.
11. **1** Divide both by 5: 1:4.
12. **\$5** $20 \div 4 = 5$ per notebook.
13. **10** $2 + 4 = 6$ parts. $30 \div 6 = 5$ per part. Boys = $2 \times 5 = 10$.
14. **10:6** Scale both parts by 2: 10:6.
15. **28** The ratio 4:7 scales by 4, so sugar = 28.
16. **36** $145 \div 4 = 36$ mph.
17. **12:3** Multiply both parts by 3: 12:3.
18. **1** Divide both by 4: 1:2.