

Grade 6 Ratios & Proportions Mixed Review

Ratios & Proportions • Grade 6 • Mixed Review • Set B • CCSS 6.RP.3

Name: _____

Date: _____

Solve each problem. Read carefully — the problems change shape as you go.

1. A ratio table starts 6 : 11, then 12 : 22. Fill in the next row where the first number is 24.

2. In a class of 6 students, 2 are boys. What is the ratio of boys to girls?

3. 384 miles in 8 hours = ____ miles per hour

4. Write the ratio 3:20 as a percent.

5. Simplify the ratio 63:72.

6. $9:8 = 54: \underline{\hspace{1cm}}$

7. A ratio table starts 7 : 4, then 14 : 8. Fill in the next row where the first number is 28.

8. In a class of 11 students, 8 are boys. What is the ratio of boys to girls?

9. \$85.00 for 5 items = \$___ per item

10. Write the ratio 1:4 as a percent.

11. Simplify the ratio 28:35.

12. 7:6 = ___:12

13. A ratio table starts 2 : 11, then 6 : 33. Fill in the next row where the first number is 10.

14. In a class of 9 students, 5 are boys. What is the ratio of boys to girls?

15. 232 miles in 8 hours = ___ miles per hour

16. Write the ratio 3:10 as a percent.

17. Simplify the ratio 14:16.

18. $7:1 = \underline{\hspace{1cm}}:6$

19. A ratio table starts $2 : 12$, then $6 : 36$. Fill in the next row where the first number is 10.

20. In a class of 6 students, 3 are boys. What is the ratio of boys to girls?

21. \$583.00 for 11 items = \$ per item

22. Write the ratio 5:10 as a percent.

23. Simplify the ratio 25:15.

24. $8:3 = \underline{\hspace{1cm}}:24$

25. A ratio table starts $2 : 9$, then $8 : 36$. Fill in the next row where the first number is 10.

26. In a class of 8 students, 4 are boys. What is the ratio of boys to girls?

27. 16 miles in 8 hours = ____ miles per hour

28. Write the ratio 3:5 as a percent.

29. Simplify the ratio 18:24.

30. 5:8 = ____:56

Answer Key

Grade 6 Ratios & Proportions Mixed Review — Set B

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|------------|-------------|-------------|
| 1. 24 : 44 | 11. 4:5 | 21. 53.00 |
| 2. 2:4 | 12. 14 | 22. 50% |
| 3. 48 | 13. 10 : 55 | 23. 5:3 |
| 4. 15% | 14. 5:4 | 24. 64 |
| 5. 7:8 | 15. 29 | 25. 10 : 45 |
| 6. 48 | 16. 30% | 26. 4:4 |
| 7. 28 : 16 | 17. 7:8 | 27. 2 |
| 8. 8:3 | 18. 42 | 28. 60% |
| 9. 17.00 | 19. 10 : 60 | 29. 3:4 |
| 10. 25% | 20. 3:3 | 30. 35 |