Name: Due Date: Teacher: Parent Sign:

Solving ratio problems with tables

1. Complete the table: 2:3, 4:6, 6:?

2. Complete the table: 5:8, 10:?, 15:?

3. Complete the table: 3:4, ?:?, 9:12

4. Complete the table: 7:5, 14:?, 21:?

5. Complete the table: 9:2, ?:?, 27:?

6. Complete the table: 4:9, 8:?, 12:?

7. Complete the table: 1:6, 3:?, 5:?

8. Complete the table: 6:7, 12:?, 18:?

9. Complete the table: 8:3, 16:?, 24:?

10. Complete the table: 2:5, 6:?, 10:?

Equivalent ratios

11. Write an equivalent ratio to 4:5 with first number 20.

12. Write an equivalent ratio to 2:7 with second number 21.

13. Write an equivalent ratio to 9:4 with first number 27.

14. Write an equivalent ratio to 5:6 with second number 18.

15. Find an equivalent ratio to 3:8 by scaling by 5.

16. Find an equivalent ratio to 7:9 with first number 14.

17. Find an equivalent ratio to 10:3 with second number 9.

18. Reduce 12:15 to simplest form.

19. Reduce 14:21 to simplest form.

20. Reduce 18:24 to simplest form.

Equivalent ratios: recipe

21. Recipe uses 2 cups flour : 1 cup sugar. How much sugar for 6 cups flour?

22. Recipe uses 3 eggs : 2 cups milk. How many cups milk for 9 eggs?

23. Recipe uses 1 tsp salt : 4 cups water. How much salt for 12 cups water?

24. Recipe uses 5 tbsp cocoa : 2 cups sugar. How much sugar for 10 tbsp cocoa?

25. Recipe uses 4 cups water : 1 cup rice. How much rice for 12 cups water?

26. Pancake ratio 2 cups flour : 1 cup milk. How much milk for 1 cup flour?

27. Smoothie ratio 3 bananas : 2 cups yogurt. How much yogurt for 6 bananas?

28. Dressing ratio 1 lemon : 3 tbsp oil. How much oil for 4 lemons?

29. Cookie ratio 6 cookies : 2 tbsp sugar. How much sugar for 18 cookies?

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30. Sauce ratio 2 cloves garlic : 5 tomatoes. How many cloves for 10 tomatoes?

Understanding equivalent ratios

31. Are 6:9 and 2:3 equivalent? ($\frac{Yes}{No}$)

32. Are 8:12 and 4:5 equivalent? ($\frac{Yes}{No}$)

33. Find ?: 5:? = 15:45

34. Find ?: ? : 20 = 3 : 12

35. Are 10:15 and 2:3 equivalent? ($\frac{Yes}{No}$)

36. Are 7:14 and 1:2 equivalent? ($\frac{Yes}{No}$)

37. Find ?: 9:? equivalent to 3:5

38. Are 4:10 and 2:5 equivalent? ($\frac{Yes}{No}$)

39. Find ?: 14:? = 7:9

40. Are 21:28 and 3:4 equivalent? ($\frac{Yes}{No}$)

Interpreting unequal ratios

41. Which is larger as a fraction: 3:4 or 4:5?

42. Are 5:8 and 10:18 equivalent? ($\frac{Yes}{No}$)

43. Are 2:3 and 4:7 equivalent? ($\frac{Yes}{No}$)

44. Which has a larger first-part proportion: 2:5 or 3:7?

45. Are 6:10 and 3:6 equivalent? ($\frac{Yes}{No}$)

46. Are 8:10 and 4:5 equivalent? ($\frac{Yes}{No}$)

47. Which is closer to equal halves (1:1): 5:6 or 7:8?

48. Which has more sugar proportionally: 1:3 or 2:7?

49. What is the equivalent ratio to 3:8 with first number 9?

50. Are 5:12 and 10:25 equivalent? ($\frac{Yes}{No}$)