Name: Due Date: Teacher: Parent Sign:

1. Point A is at (2, 3). What is the ratio x:y in simplest form?

2. Point B is at (4, 2). What is the ratio x:y in simplest form?

3. Point C is at (6, 3). What is the ratio x:y in simplest form?

4. Point D is at (5, 10). What is the ratio x:y in simplest form?

5. Point E is at (1, 2). What is the ratio x:y in simplest form?

6. Point F is at (3, 9). What is the ratio x:y in simplest form?

7. Points G(2, 2) and H(5, 8). What is the ratio rise:run between G and H in simplest form?

8. Point I is at (7, 14). What is the ratio x:y in simplest form?

9. Points J(1, 1) and K(4, 7). What is the ratio rise:run between J and K in simplest form?

10. Point L is at (8, 2). What is the ratio x:y in simplest form?

11. Points M(3, 5) and N(6, 8). What is the ratio rise:run between M and N in simplest form?

12. Point O is at (9, 3). What is the ratio x:y in simplest form?

13. Points P(2, 6) and Q(5, 12). What is the ratio rise:run between P and Q in simplest form?

14. Point R is at (10, 5). What is the ratio x:y in simplest form?

15. Points S(0, 3) and T(4, 7). What is the ratio rise:run between S and T in simplest form?

16. Point U is at (4, 6). What is the ratio x:y in simplest form?

17. Points V(2, 5) and W(5, 11). What is the ratio rise:run between V and W in simplest form?

18. A rope has a blue segment 6 cm long and a green segment 4 cm long. What is the ratio blue:green in simplest form?

19. A rectangle is 12 cm long and 3 cm wide. What is the ratio length:width in simplest form?

20. A scale drawing uses 1 cm : 2 m. What actual length in meters corresponds to 5 cm on the drawing?

21. On a map 1 cm represents 10 m. How many meters does 7 cm represent?

22. A recipe needs 200 g flour and 100 g sugar. What is the ratio flour:sugar in simplest form?

23. If the recipe in Q22 is tripled, how many grams of flour are needed?

24. A car travels 150 km in 3 hours. What is the ratio distance:time in simplest form (km:hours)?

25. A model is scaled 1:4. If the original width is 24 cm, what is the model width in cm?

26. Two sticks are 9 cm and 12 cm long. What is the ratio of the shorter to the longer in simplest form?

27. If 1 meter = 100 centimeters, what is the ratio meters:centimeters for 2 meters in simplest form?

28. A playground is 30 m long and 10 m wide. What is the ratio length:width in simplest form?

29. A ribbon is cut into parts 5 cm and 15 cm. What is the ratio short:long in simplest form?

30. A scale model uses 1:20. A real car is 4 m long. What is the model length in centimeters?

31. A pack has 24 cookies in the ratio chocolate:vanilla = 3:1. How many chocolate cookies are there?

32. A tank has 8 L gasoline and 2 L oil. What is the ratio gasoline:oil in simplest form?

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33. A 2 m rope is cut into 8 equal pieces. How long is each piece in centimeters?

34. Table: Apples:Oranges = 3:2. If total fruit = 25, how many apples?

35. Table: Boys:Girls = 4:3. If total students = 28, how many girls?

36. Table: Red marbles:Blue marbles = 2:3. If total marbles = 25, how many red marbles?

37. Table: Dogs:Cats = 5:5. If total pets = 20, how many dogs?

38. Table: Sweets chocolate:fruit = 7:3. If chocolates = 21, how many sweets in total?

39. Table: Book pages Completed:Remaining = 3:2. If remaining = 10 pages, how many pages are completed?

40. Table: Team A:Team B = 2:1. If Team A has 12 players, how many participants are there in total?

41. Table: Bag with red:green:blue = 2:1:1. If total items = 40, how many are green?

42. Table: Recipe juice:water = 1:4. If water used = 12 cups, how many total cups of drink are made?

43. Table: Chocolate:Vanilla = 3:7. If total = 40 items, how many are chocolate?

44. Table: Like:Dislike = 5:2. If total responses = 49, how many responses are "Like"?

45. Table: Tickets adult:child = 3:5. If children = 25, how many adult tickets were sold?

46. Table: Paint mix red:blue:yellow = 1:2:3. If total paint = 36 liters, how many liters of blue paint?

47. Table: A class has 24 students. Boys:Girls = 1:2. How many boys are in the class?

48. Table: Pack contains pens:erasers = 4:1. If pens = 32, how many items in the pack total?

49. Table: Syrup:Water = 1:5 for lemonade. If total lemonade = 18 liters, how many liters of syrup?

50. Table: Bus seats occupied Adults:Children = 1:3. If total occupied seats = 28, how many are children?