

Name: _____

Date: _____

Word Problems

Grades 6 – 8 • 50 questions • Show your work

1. Noah and Leo share \$24 in the ratio 1 : 3. How much does Noah get?

 2. A train travels 172 miles in 4 hours. What is its average speed in miles per hour? _____
 3. In a survey of 24 students, 25% chose pizza as their favorite lunch. How many students is that? _____
 4. Noah and Ava share \$32 in the ratio 3 : 5. How much does Noah get?

 5. In a survey of 60 students, 10% chose pizza as their favorite lunch. How many students is that? _____
 6. In a survey of 4 students, 25% chose pizza as their favorite lunch. How many students is that? _____
 7. Zoe and Sam share \$9 in the ratio 2 : 1. How much does Zoe get? _____
 8. A train travels 188 miles in 4 hours. What is its average speed in miles per hour? _____
 9. A train travels 170 miles in 5 hours. What is its average speed in miles per hour? _____
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- 10.** A store discounts a \$140 jacket by 50%. What is the sale price? _____
- 11.** Maya and Ava share \$15 in the ratio 1 : 2. How much does Maya get?

- 12.** A train travels 192 miles in 4 hours. What is its average speed in miles per hour? _____
- 13.** A train travels 195 miles in 5 hours. What is its average speed in miles per hour? _____
- 14.** A store discounts a \$220 jacket by 50%. What is the sale price? _____
- 15.** In a survey of 20 students, 10% chose pizza as their favorite lunch. How many students is that? _____
- 16.** In a survey of 10 students, 50% chose pizza as their favorite lunch. How many students is that? _____
- 17.** A store discounts a \$400 jacket by 25%. What is the sale price? _____
- 18.** In a survey of 6 students, 50% chose pizza as their favorite lunch. How many students is that? _____
- 19.** In a survey of 16 students, 50% chose pizza as their favorite lunch. How many students is that? _____
- 20.** Noah and Zoe share \$72 in the ratio 1 : 5. How much does Noah get?

- 21.** A train travels 70 miles in 2 hours. What is its average speed in miles per hour?

- 22.** In a survey of 15 students, 20% chose pizza as their favorite lunch. How many students is that? _____
- 23.** A store discounts a \$180 jacket by 25%. What is the sale price? _____
- 24.** A store discounts a \$360 jacket by 20%. What is the sale price? _____
- 25.** A train travels 320 miles in 5 hours. What is its average speed in miles per hour? _____
- 26.** Maya and Noah share \$42 in the ratio 5 : 1. How much does Maya get? _____
- 27.** A store discounts a \$260 jacket by 25%. What is the sale price? _____
- 28.** A store discounts a \$220 jacket by 20%. What is the sale price? _____
- 29.** In a survey of 50 students, 10% chose pizza as their favorite lunch. How many students is that? _____
- 30.** Zoe and Eli share \$15 in the ratio 1 : 4. How much does Zoe get? _____
- 31.** Zoe and Leo share \$25 in the ratio 4 : 1. How much does Zoe get? _____
- 32.** In a survey of 28 students, 25% chose pizza as their favorite lunch. How many students is that? _____
- 33.** A train travels 96 miles in 3 hours. What is its average speed in miles per hour? _____
- 34.** A store discounts a \$160 jacket by 25%. What is the sale price? _____

- 35.** A store discounts a \$360 jacket by 25%. What is the sale price? _____
- 36.** Noah and Ava share \$40 in the ratio 2 : 3. How much does Noah get?

- 37.** A train travels 99 miles in 3 hours. What is its average speed in miles per hour? _____
- 38.** A train travels 258 miles in 6 hours. What is its average speed in miles per hour? _____
- 39.** In a survey of 70 students, 10% chose pizza as their favorite lunch. How many students is that? _____
- 40.** A store discounts a \$300 jacket by 10%. What is the sale price? _____
- 41.** A store discounts a \$140 jacket by 10%. What is the sale price? _____
- 42.** A store discounts a \$360 jacket by 10%. What is the sale price? _____
- 43.** In a survey of 10 students, 10% chose pizza as their favorite lunch. How many students is that? _____
- 44.** A train travels 147 miles in 3 hours. What is its average speed in miles per hour? _____
- 45.** Ava and Maya share \$9 in the ratio 1 : 2. How much does Ava get? _____
- 46.** Zoe and Leo share \$15 in the ratio 1 : 4. How much does Zoe get? _____
- 47.** In a survey of 12 students, 50% chose pizza as their favorite lunch. How many students is that? _____

- 48.** In a survey of 14 students, 50% chose pizza as their favorite lunch. How many students is that? _____
- 49.** Sam and Maya share \$27 in the ratio 4 : 5. How much does Sam get?

- 50.** Leo and Mia share \$60 in the ratio 1 : 5. How much does Leo get? _____
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Answer Key — Word Problems

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| 1. \$6 | 2. 43 | 3. 6 |
| 4. \$12 | 5. 6 | 6. 1 |
| 7. \$6 | 8. 47 | 9. 34 |
| 10. \$70 | 11. \$5 | 12. 48 |
| 13. 39 | 14. \$110 | 15. 2 |
| 16. 5 | 17. \$300 | 18. 3 |
| 19. 8 | 20. \$12 | 21. 35 |
| 22. 3 | 23. \$135 | 24. \$288 |
| 25. 64 | 26. \$35 | 27. \$195 |
| 28. \$176 | 29. 5 | 30. \$3 |
| 31. \$20 | 32. 7 | 33. 32 |
| 34. \$120 | 35. \$270 | 36. \$16 |
| 37. 33 | 38. 43 | 39. 7 |
| 40. \$270 | 41. \$126 | 42. \$324 |
| 43. 1 | 44. 49 | 45. \$3 |
| 46. \$3 | 47. 6 | 48. 7 |
| 49. \$12 | 50. \$10 | |
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