

Math Sheet

Name _____ Score _____ / 24 Teacher _____ Date _____

Ratios and rates

Reduce each ratio. For rates, find the unit rate per one denominator unit to exactly two decimal places.

1. 67 gallons to 100 gallons

2. 44 miles out of 317 miles

3. 19 items to 45 items

4. 31 pages to 31 pages

5. 21 pencils out of 110 pencils

6. 28 liters to 85 liters

7. 33 boxes to 54 boxes

8. 29 parts out of 299 parts

9. 171 miles / 15 hours

Rate: _____ Unit rate: _____

10. 223 dollars / 14 items

Rate: _____ Unit rate: _____

11. 94 pages / 17 minutes

Rate: _____ Unit rate: _____

12. 12 liters / 2 hours

Rate: _____ Unit rate: _____

13. 35 parts / 7 days

Rate: _____ Unit rate: _____

14. 216 meters / 18 seconds

Rate: _____ Unit rate: _____

15. 47 miles / 15 gallons

Rate: _____ Unit rate: _____

16. 80 items / 7 boxes

Rate: _____ Unit rate: _____

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Name _____ Score _____ / 24 Teacher _____ Date _____

Ratios and rates

Answer key

Reduce each ratio. For rates, find the unit rate per one denominator unit to exactly two decimal places.

- | | |
|---|---|
| 1. 67 gallons to 100 gallons
67/100 | 2. 44 miles out of 317 miles
44/317 |
| 3. 19 items to 45 items
19/45 | 4. 31 pages to 31 pages
1/1 |
| 5. 21 pencils out of 110 pencils
21/110 | 6. 28 liters to 85 liters
28/85 |
| 7. 33 boxes to 54 boxes
11/18 | 8. 29 parts out of 299 parts
29/299 |
| 9. 171 miles / 15 hours
Rate: 171 miles / 15 hours; Unit rate: 11.40 miles / 1 hour | 10. 223 dollars / 14 items
Rate: 223 dollars / 14 items; Unit rate: 15.93 dollars / 1 item |
| 11. 94 pages / 17 minutes
Rate: 94 pages / 17 minutes; Unit rate: 5.53 pages / 1 minute | 12. 12 liters / 2 hours
Rate: 12 liters / 2 hours; Unit rate: 6.00 liters / 1 hour |
| 13. 35 parts / 7 days
Rate: 35 parts / 7 days; Unit rate: 5.00 parts / 1 day | 14. 216 meters / 18 seconds
Rate: 216 meters / 18 seconds; Unit rate: 12.00 meters / 1 second |
| 15. 47 miles / 15 gallons
Rate: 47 miles / 15 gallons; Unit rate: 3.13 miles / 1 gallon | 16. 80 items / 7 boxes
Rate: 80 items / 7 boxes; Unit rate: 11.43 items / 1 box |