Determine whether the ratios are equivalent. Write yes or no.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 1. |  | \_\_\_\_\_\_\_\_ |  | 7. |  | \_\_\_\_\_\_\_\_ |
| 2. |  | \_\_\_\_\_\_\_\_ |  | 8. |  | \_\_\_\_\_\_\_\_ |
| 3. |  | \_\_\_\_\_\_\_\_ |  | 9. |  | \_\_\_\_\_\_\_\_ |
| 4. |  | \_\_\_\_\_\_\_\_ |  | 10 |  | \_\_\_\_\_\_\_\_ |
| 5. |  | \_\_\_\_\_\_\_\_ |  | 11. |  | \_\_\_\_\_\_\_\_ |
| 6. |  | \_\_\_\_\_\_\_\_ |  | 12. |  | \_\_\_\_\_\_\_\_ |

13. Luis stuffed 30 envelopes in 6 minutes. Cheryl stuffed 40 envelopes in 8 minutes. Write two ratios and use them to find out whether their envelope stuffing rates are equivalent.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

14. A 12-ounce jar of olives costs $3.60. A 16-ounce jar costs $4.00. Write two ratios and use them to see whether the prices of the two sizes of olive jars are equivalent.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Find each missing value. You may use any method, but SHOW YOUR WORK!

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 1. |  |  | 2. |  |  | 3. |  |
|  | \_\_\_\_\_\_\_\_ |  |  | \_\_\_\_\_\_\_\_ |  |  | \_\_\_\_\_\_\_\_ |
|  |  |  |  |  |  |  |  |
| 4. |  |  | 5. |  |  | 6. |  |
|  | \_\_\_\_\_\_\_\_ |  |  | \_\_\_\_\_\_\_\_ |  |  | \_\_\_\_\_\_\_\_ |
|  |  |  |  |  |  |  |  |
| 7. |  |  | 8. |  |  | 9. |  |
|  | \_\_\_\_\_\_\_\_ |  |  | \_\_\_\_\_\_\_\_ |  |  | \_\_\_\_\_\_\_\_ |
|  |  |  |  |  |  |  |  |

Write a proportion to solve.

10. A fish tank has 12 angelfish. For every 8 fish, 3 of them are angelfish. How many fish are in the tank?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

11. One yard is 36 inches. How many inches is of a yard?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Determine whether the ratios are equivalent. Write yes or no.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 1. |  | **YES** |  | 7. |  | **YES** |
| 2. |  | **NO** |  | 8. |  | **NO** |
| 3. |  | **YES** |  | 9. |  | **YES** |
| 4. |  | **NO** |  | 10 |  | **YES** |
| 5. |  | **YES** |  | 11. |  | **YES** |
| 6. |  | **YES** |  | 12. |  | **NO** |

13. Luis stuffed 30 envelopes in 6 minutes. Cheryl stuffed 40 envelopes in 8 minutes. Write two ratios and use them to find out whether their envelope stuffing rates are equivalent.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

14. A 12-ounce jar of olives costs $3.60. A 16-ounce jar costs $4.00. Write two ratios and use them to see whether the prices of the two sizes of olive jars are equivalent.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Find each missing value. You may use any method, but SHOW YOUR WORK!

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 1. |  |  | 2. |  |  | 3. |  |
|  | **6**  \_\_\_\_\_\_\_\_ |  |  | **8**  \_\_\_\_\_\_\_\_ |  |  | **27**  \_\_\_\_\_\_\_\_ |
|  |  |  |  |  |  |  |  |
| 4. |  |  | 5. |  |  | 6. |  |
|  | **24**  \_\_\_\_\_\_\_\_ |  |  | **20**  \_\_\_\_\_\_\_\_ |  |  | **12**  \_\_\_\_\_\_\_\_ |
|  |  |  |  |  |  |  |  |
| 7. |  |  | 8. |  |  | 9. |  |
|  | \_\_\_\_\_\_\_\_ |  |  | \_\_\_\_\_\_\_\_ |  |  | \_\_\_\_\_\_\_\_ |
|  |  |  |  |  |  |  |  |

Write a proportion to solve.

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\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

11. One yard is 36 inches. How many inches is of a yard?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_