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

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

13. Luis stuffed 30 envelopes in 6 minutes. Cheryl stuffed 40 envelopes in 8 minutes.

a. Fill in their ratios in the ratio table.

|  |  |  |
| --- | --- | --- |
|  | **Luis** | **Cheryl** |
| **Envelopes** | 30 |  |
| **Minutes** | 6 |  |

b. Are Luis’s and Cheryl’s envelope stuffing rates equivalent? Yes No

c. **Explain** your answer:

14. A 12-ounce jar of pickles costs $3.60. A 16-ounce jar costs $4.00.

a. Fill in the ratios in the table.

|  |  |  |
| --- | --- | --- |
| **Cost** | 3.60 | $4.00 |
| **Ounces** |  |  |

b. Are the rates equivalent? Yes No

c. **Explain** your answer.

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. Fill in the missing values in the proportion below, and find out how many fish are in the tank.

**KEY**

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

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1. |  | | **YES** | |  | | 7. | |  | | **YES** | |
| 2. |  | | **NO** | |  | | 8. | |  | | **NO** | |
| 3. |  | | **YES** | |  | | 9. | |  | | **YES** | |
| 4. | |  | | **NO** | |  | | 9. | |  | | **YES** \_ | |
| 5. | |  | | **NO** | |  | | 10. | |  | | **YES** | |
|  | |  | |  | |  | |  | |  | |  | |

13. Luis stuffed 30 envelopes in 6 minutes. Cheryl stuffed 40 envelopes in 8 minutes.

a. Fill in their ratios in the ratio table.

|  |  |  |
| --- | --- | --- |
|  | **Luis** | **Cheryl** |
| **Envelopes** | 30 | **40** |
| **Minutes** | 6 | **8** |

b. Are Luis’s and Cheryl’s envelope stuffing rates equivalent? **Yes** No

c. **Explain** your answer: **Both of them have a rate of 5 envelopes per minute.**

14. A 12-ounce jar of pickles costs $3.60. A 16-ounce jar costs $4.00.

a. Fill in the ratios in the table.

|  |  |  |
| --- | --- | --- |
| **Cost** | 3.60 | $4.00 |
| **Ounces** | **12** | **16** |

b. Are the rates equivalent? Yes **No**

c. **Explain** your answer. **The unit rates are $0.30 per ounce and $0.25 per ounce.**

**KEY**

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. |  |
|  | **100**  \_\_\_\_\_\_\_\_ |  |  | **10**  \_\_\_\_\_\_\_\_ |  |  | **2**  \_\_\_\_\_\_\_\_ |
|  |  |  |  |  |  |  |  |

Write a proportion to solve.

10. A fish tank has 12 angelfish. For every 8 fish, 3 of them are angelfish. Fill in the missing values in the proportion below, and find out how many fish are in the tank.

**There are 32 fish in all.**