### Proportionality

**ARITHMETIC**

26

**Completing proportionality tables**

Miguel wants to complete his collection of trading cards, so he went to the grocery store in his neighborhood and bought 6 trading cards for a total price of $0.72.

When going to pay, the owner of the grocery store has told him that a single restocking would take 24 h to place all the goods on the shelves, so he has had to hire several stock-people.

 Complete the following table, which shows the number of cards that are purchased and their cost, expressed in euros.

**1**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **No. of cards** | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| **Cost** |  |  |  |  |  | 0.72 |  |  |  |  |

Is there any relationship between these two variables? What kind of relationship is it? Justify your answers.

**2**

 Complete the following table, which shows the time it takes to place the entire order on the shelves according to the number of stock-people.

**3**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **No. of stock-people** | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| **Time (hours)** | 24 |  |  |  |  |  |  |  |  |  |

You could write the algebraic expression that relates one magnitude to the other?

**4**

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