# Lesson 5: Minicasa: Costo

### Standards Alignments

|  |  |
| --- | --- |
| Addressing | 3.NBT.A.2, 3.OA.D.8 |

### Teacher-facing Learning Goals

* Solve problems about the cost of finishing a room in a tiny house.

### Student-facing Learning Goals

* Calculemos el costo de terminar una habitación de una minicasa.

### Lesson Purpose

The purpose of this lesson is for students to apply what they’ve learned about operations to calculate the cost to finish a space in a tiny house.

In a previous lesson, students used what they learned about area and perimeter to design a tiny house. In this lesson, they apply their knowledge of operations to calculate the cost of finishing one of the rooms of their tiny house. Students engage in aspects of mathematical modeling as they make decisions about quantities, relate measurements and costs, and interpret their results in context (MP4).

If students need additional support with the concepts in this lesson, refer back to Unit 3, Section A in the curriculum materials.

### Access for:

###  Students with Disabilities

* Action and Expression (Activity 1)

###  English Learners

* MLR8 (Activity 1)

### Instructional Routines

Estimation Exploration (Warm-up)

### Materials to Gather

* Materials from a previous lesson: Activity 1

### Lesson Timeline

|  |  |
| --- | --- |
| Warm-up | 10 min |
| Activity 1 | 35 min |
| Lesson Synthesis | 10 min |
| Cool-down | 5 min |

### Teacher Reflection Question

What strategy did you anticipate today? Which did you not anticipate?

## Cool-down

(to be completed at the end of the lesson) 5min

Encuentra el costo

### Standards Alignments

|  |  |
| --- | --- |
| Addressing | 3.OA.D.8 |

### Student-facing Task Statement

¿Cuál es el costo total de 18 pies cuadrados de baldosas y la tubería para la cocina? Explica tu razonamiento.

|  |  |
| --- | --- |
| artículo | costo |
| piso: baldosa madera alfombra | $5 por cada pie cuadrado$4 por cada pie cuadrado$2 por cada pie cuadrado |
| pintura | $25 por cada galón(hasta 400 pies cuadrados) |
| tubería para el baño | $379 |
| inodoro | $138 |
| lavabo y grifo para el baño | $112 |
| tubería para la cocina | $253 |
| lavaplatos y grifo para lacocina | $227 |
| armarios | $90 por cada pie |
| repisas | $20 por cada pie |
| platos, vasos, tenedores,cucharas, etcétera | Los precios pueden variar.Investiga o estima el costo. |
| lavavajillas | $389 |
| estufa portátil | $174 |
| muebles | Los precios pueden variar.Investiga o estima el costo. |
| combinación de lavadora /secadora compacta | $225 |
| cama | $189 |

### Student Responses

$343. Sample response: Tile flooring costs $90, because $18×5$ is $10×5+8×5$, which is $50+40$ or 90. Adding 253 and 90 together gives 343.