

Family and Community Engagement



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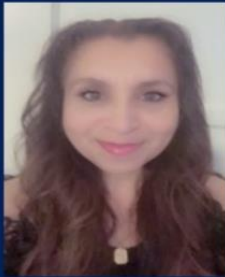
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2A. Estimation, the
Real Math!

2A. Estimación,
¡La verdadera
matemática!

Presenters

Presentadores



Ricardo Romero

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Estimation, the Real Math!



Estimación, ¡matemáticas reales!

Ricardo Romero, Elem Math Coordinator - Division of Instruction
Helen Kim, Elem Math Coordinator - Division of Instruction

Division of
Instruction

LAUSD
UNIFIED

Learning Objectives

- ☐ Understand the importance of estimation in math
- ☐ Become familiar with how students in K-2, 3rd, 4-5th use estimation to make sense of numbers
- ☐ Apply estimation in real-life scenarios

Objetivos de aprendizaje

- ☐ Comprender la importancia de la estimación en matemáticas
- ☐ Familiarizarse cómo los estudiantes de K-2, 3.º, 4.º y 5.º utilizan la estimación para entender los números
- ☐ Aplicar la estimación en situaciones de la vida real



About how much will it cost?

What made you think so?

¿ Como cuánto costará?

¿Qué te hizo pensar eso?

What is estimation?

Why is estimating important?

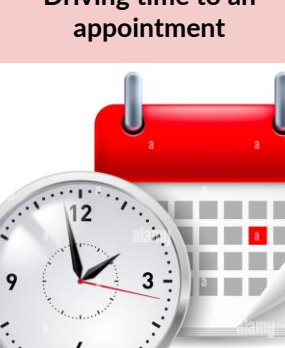
¿Qué es la estimación?

¿Por qué es importante estimar?



Shopping for clothes

Driving time to an appointment

A graphic illustration featuring a large, silver, three-dimensional clock in the foreground. The clock face is white with black numerals (12, 3, 6, 9) and tick marks. The hands are black, and a red second hand is visible. Behind the clock is a red calendar with silver rings. The calendar shows a grid of days, with one day highlighted in red. The overall background is a light pinkish-red gradient.

**Planning the distance,
gas cost...for a road trip**

Cost of Ice Cream

Comprando ropa

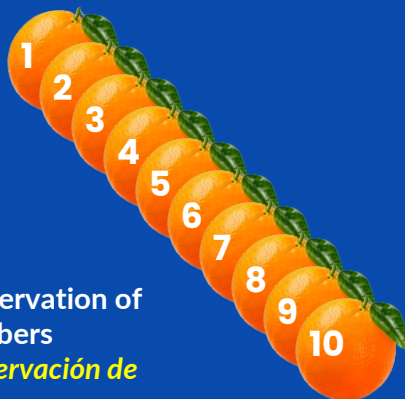
A photograph showing a variety of colorful clothing items hanging on wooden hangers in a store. The items include a blue long-sleeved shirt, a yellow top, a white top with a floral pattern, a green top, and a white top with a blue floral pattern. The background is a light green wall.

Conduciendo a una cita

Planificar la distancia, el
coste de la gasolina... para
un viaje por carretera

Costo del Helado

Kinder - 2nd Grade



Conservation of
Numbers

*Conservación de
Números*

1:1 Correspondence

Correspondencia 1:1

About How
Many?

Como Cuentas?

0-5	///
6-9	//// //
10-15	///
16-20	//
More than 20	//

3rd Grade

About How Many?

Como Cuentas?

Is it more than 20? 50?
100?

Why did you pick that
number?



5



5



5



5



5



5



5



5



5



5

Students might
count 5, 10, 15..
Or 10×5

4th - 5th Grade

About How Much
Will It Cost ?

*¿Como Cuánto
Costará?*

\$20?
\$100?
\$200?

What makes
you think
that?

Students might
count \$10, \$20,
3\$0.. Or $6 \times \$10$

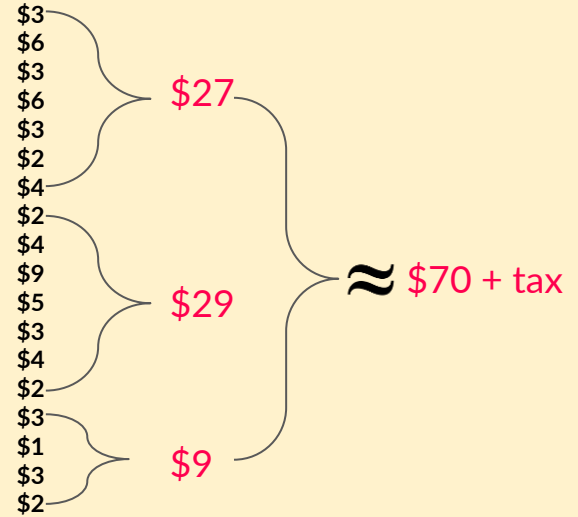
What experiences do students need to
have, in order to estimate cost?

¿Qué experiencias necesitan los estudiantes tener, para estimar el
costo?





Item	Artículo	Price	Estimation
Milk	Leche	\$3.25	\$3
Eggs (3x5.99)	Huevos	\$5.99	\$6
Cream Cheese	Queso crema	\$2.50	\$3
Coffee	Café	\$5.99	\$6
String Cheese	Queso de hebra	\$3.25	\$3
Broth	Caldo	\$1.50	\$2
Mayo	Mayonesa	\$3.75	\$4
Mustard	Mostaza	\$2.00	\$2
Sauce	Salsa	\$3.50	\$4
Chicken	Pollo	\$8.99	\$9
	Pan	\$4.50	\$5
Bread	Bolillos	\$2.50	\$3
Buns	Mantequilla	\$3.99	\$4
Butter	Espárragos	\$1.50	\$2
Asparagus	Naranjas	\$2.99	\$3
Oranges	Aguacate	\$0.50	\$1
Avocado	Plátanos	\$2.75	\$3
	Manzanas	\$1.50	\$2
Bananas			
Apples			
		Actual Cost: \$60.95 + tax	



How close was your estimation?

¿Qué tan cerca estuvo su estimación?



[illegible]