

Actividad 3b: Calculadora rota Grados recomendados: 2–3

Instrucciones de actividad

1. En este juego, intentas alcanzar el número objetivo mientras finges que ciertas teclas de la calculadora no funcionan.
2. ¿Por qué no proporcionamos respuestas? ¡Porque hay tantos! Además, una vez que obtenga una respuesta, verá que estaba en lo correcto o incorrecto inmediatamente en la calculadora. Si por casualidad no encontró una ruta correcta, inténtelo de nuevo, ¡para eso tiene una calculadora!

Where's the 1?

Restriction: The #1 key is broken!

Goal: We need to make the number 11 show up on the calculator screen.

1. Explain your strategy.
2. How many moves did it take you?
3. Can you do it in fewer moves? More?
4. Is there a different operation you can use?

Now try 111. Then 1,111.



Year of birth

Restriction: The only keys that work are 1, 0, +, -, =

Goal: Can you get the display to show the four-digit year of your birth? (e.g., 1990, 2011)

1. Explain your strategy.
2. How many moves did it take you?
3. Can you do it in fewer moves? More?
4. Can you get the display to show your parents' years of birth?
5. Explain your strategy. Did you use the same strategy or a different one?
6. How many moves did it take you?
7. Can you do it in fewer moves? More?



Enlace de juego virtual:

https://www.education.ky.gov/curriculum/conpro/Documents/NBT_Broken_Calculator_KFMN.pptx

Avisos familiares

- Pruebe diferentes opciones y sea paciente con sus hijos y con usted mismo si no llega al número objetivo rápidamente.
- Pídales a sus hijos que compartan sus soluciones y luego haga las preguntas del juego.
- Pregúnteles si pueden hacerlo de otra manera.
- Si su hijo llega a una solución rápidamente, intente mostrar el año de nacimiento de otro miembro de la familia (p. Ej., Tía, tío, abuelo).

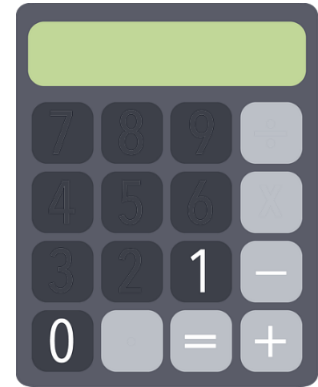
Activity 3b: Broken Calculator

Recommended Grades: 2–3

Supporting Materials

Restriction: The only keys that work are 1, 0, +, −, =.

Goal: Can you get the display to show the four digit year of your birth? (e.g., 1990, 2011)



1. Explain your strategy.
2. How many moves did it take you?
3. Can you do it in fewer moves? More?
4. Can you get the display to show your parents' year of birth?
5. Explain your strategy.
Did you use the same strategy or a different one?
6. How many moves did it take you?
7. Can you do it in fewer moves? More?

Restriction: The #1 key is broken!

Goal: We need to make the number 1,111 show up on the calculator screen.



1. Explain your strategy.
2. How many moves did it take you?
3. Can you do it in fewer moves? More?
4. Is there a different operation you can use?