



Bowling for Fractions (Blockly)

- 1 Look at the lane and come up with a plan for how you want Evo to attack the pins.
- 2 Open a new Ozobot Blockly program on your programming device.
- 3 Look through the programming levels on the left to find blocks you might need to use.
- 4 For this lesson:
 - ▶ your programs can only use up to 3 blocks.
 - ▶ you may not use the bowling pins when testing your programs.
- 5 When your program is ready, set up the bowling pins on your lane.
- 6 Pair Evo with Ozobot Blockly, then place it behind the line to start and run your program.
- 7 Watch how Evo attacks the pins and count how many fall.
- 8 Write the number of fallen pins as the numerator of the unknown fraction.
- 9 Add or subtract the other fraction. Find a common denominator when necessary.

Note:

If you are unable to subtract the fraction of pins that fell, try it with another subtraction problem or bowl again for another fraction.



Ozobot 3D CAD Library Lesson

Add/Subtract Fractions

Add or Subtract Each Set of Fractions

Example: $\frac{5}{10} + \frac{4}{10} = \frac{9}{10}$

$$\frac{\quad}{\quad} + \frac{3}{10} = \frac{\quad}{\quad} \qquad \frac{9}{10} - \frac{\quad}{\quad} = \frac{\quad}{\quad}$$

$$\frac{\quad}{\quad} + \frac{6}{10} = \frac{\quad}{\quad} \qquad \frac{13}{10} - \frac{\quad}{\quad} = \frac{\quad}{\quad}$$

$$\frac{\quad}{\quad} + \frac{1}{5} = \frac{\quad}{\quad} \qquad \frac{\quad}{\quad} - \frac{3}{30} = \frac{\quad}{\quad}$$

$$\frac{1}{2} + \frac{\quad}{\quad} = \frac{\quad}{\quad} \qquad \frac{17}{20} - \frac{\quad}{\quad} = \frac{\quad}{\quad}$$

$$\frac{7}{8} + \frac{\quad}{\quad} = \frac{\quad}{\quad} \qquad \frac{\quad}{\quad} - \frac{5}{12} = \frac{\quad}{\quad}$$

Write your own

$$\frac{\quad}{\quad} + \frac{\quad}{\quad} = \frac{\quad}{\quad} \qquad \frac{\quad}{\quad} - \frac{\quad}{\quad} = \frac{\quad}{\quad}$$



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Bowling Lane (Blockly)

