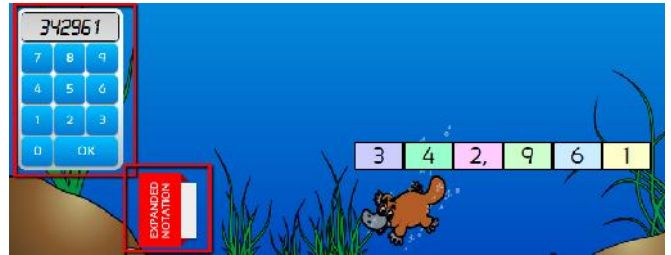
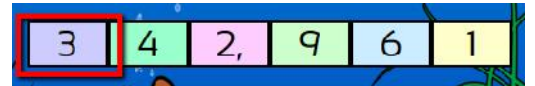


**Instructions:** set up the Number Popup Gadget

- Close the red EXPANDED NOTATION box.
- Enter **342961** > **OK** on the keypad



- Click on the 3 (the purple cell) and the 300,000 will pop up.
- Click on the 4 (the green cell) and the 40,000 will pop up.
- Click on the 2 (the pink cell) and the 2,000 will pop up
- Click on the 9 (the light green cell) and the 900 will pop up.
- Click on the 6 (the light blue cell) and the 60 will pop up.
- Click on the 1 (the yellow cell) and the 1 will pop up.



- **Ask:** What number is made up of 300,000 + 40,000 + 2,000 + 900 + 60 + 1?
- Open the Number Popup gadget.
- Have students click on each of the digits and the expanded notation will pop up.
- Repeat with the number 498,765.
- Complete the second section of the first worksheet.


  
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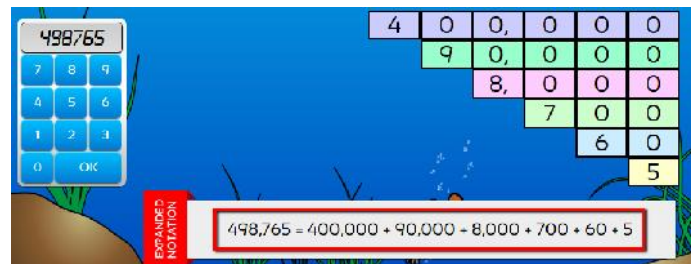


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- Once completed, have the students work back from expanded notation.

- **Ask or write:** What number is made up of  $400,000 + 90,000 + 8,000 + 700 + 60 + 5$ ?

- Check using the Number Popup.
- With the EXPANDED NOTATION box closed, enter **498765** > **OK**.
- Click on each of the digits and they will pop up.
- **Ask:** Is this the answer? (check the EXPANDED NOTATION box)



- Complete the second section of the first worksheet.

Write the number
$300,000 + 40,000 + 2,000 + 900 + 60 + 1 = 342,961$
1) $400,000 + 18,000 + 602 + 70 = \underline{\hspace{2cm}}$

Expand the number using standard notation

651,878 = \_\_\_\_\_

1) 575,607 = \_\_\_\_\_

2) 980,430 = \_\_\_\_\_

Write the

300



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3) 800,000 + 90,000 + 30 + 1 = \_\_\_\_\_

4) 400,806 + 10,000 + 9,000 = \_\_\_\_\_

5) 600,000 + 30,000 + 4,000 + 50 + 4 = \_\_\_\_\_

6) 700,000 + 90,000 + 8,000 + 600 + 2 = \_\_\_\_\_

# ANSWERS

NUMBER POPUP

Expand the number using standard notation

$$651,878 = \underline{600,000 + 50,000 + 1,000 + 800 + 70 + 8}$$

$$1) \quad 575,607 = \underline{500,000 + 70,000 + 5,000 + 600 + 7}$$

$$2) \quad 980,430 = \underline{900,000 + 80,000 + 400 + 30}$$

Write the

300



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961

$$1) \quad 40$$

72

$$2) \quad 100$$

758

$$3) \quad 800,000 + 90,000 + 30 + 1 = \underline{890,031}$$

$$4) \quad 400,806 + 10,000 + 9,000 = \underline{419,806}$$

$$5) \quad 600,000 + 30,000 + 4,000 + 50 + 4 = \underline{630,754}$$

$$6) \quad 700,000 + 90,000 + 8,000 + 600 + 2 = \underline{798,602}$$