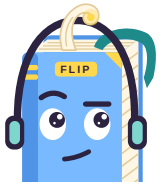
Name _____ Date _____

What's it worth?

A digit's place tells you its value.

1 Learn



In 362,145 the **6** isn't worth 6. It sits in the **ten thousands** place, so it is worth **60,000**.

HTh hundred thousands	**TTh** ten thousands	**Th** thousands	**H** hundreds	**T** tens	**O** ones
3	**6**	**2**	**1**	**4**	**5**
300,000	60,000	2,000	100	40	5

362,145 = 300,000 + 60,000 + 2,000 + 100 + 40 + 5

What is the 4 worth in 704,318?

count from the right

7	0	4	,	3	1	8
HTh	TTh	Th		H	T	O

1. Name the places from the right: ones, tens, hundreds, **thousands**.

2. The 4 is in the thousands place.

3. 4 thousands = **4,000**

Flip's tip: the comma is a landmark. The digit just **left of the comma** is always in the **thousands** place.

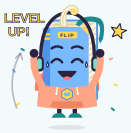
Warm up: what is the **7** worth in each number?

47,215 → _____ **702,318 →** _____ **15,370 →** _____

Grown-ups: cover the number with a piece of paper and slide it left, one digit at a time, saying the places together: ones, tens, hundreds, thousands…

Name _____ Date _____

2 Try it together a child and a grown-up, about 10 minutes



Detective cards

You need: 10 scraps of paper and a pencil. Write one digit on each: 0, 1, 2, 3, 4, 5, 6, 7, 8 and 9.

1. Shuffle the cards face down. Turn over 6 and lay them in a row to make a six-digit number. (If 0 comes first, move it to the end.)
2. Read the number aloud together.
3. Take turns: point at a digit and ask **"What's it worth?"** The other person says its place and its value.
4. Write a round in each row. Then swap two cards. Which digits changed value?

Our number	The digit	Its place	Its value

Grown-ups: if your child says a digit is worth just itself ("the 3 is worth 3"), ask "Which place is it in?" and count the places from the right together.

3 Practise

A. What is the **8** worth in each number?

845,120	58,031	120,086	980,000	3,218
_____	_____	_____	_____	_____

B. Draw a ring round every number where the **3** is worth **30,000**.

130,452 **435,000** **803,215** **31,600** **300,000** **23,040**

Name _____ Date _____

C. Split each number into the values of its digits. Then do it the other way round.

506,213 = ☐ + ☐ + ☐ + ☐ + ☐

47,090 = ☐ + ☐ + ☐

☐ = 200,000 + 30,000 + 5,000 + 400 + 6

☐ = 700,000 + 9,000 + 80

D. Mystery number. Use the clues to find me.

- I have six digits. My hundred thousands digit is **4**.
- I have **no** ten thousands.
- My thousands digit is worth **6,000**.
- My hundreds digit is **2 less** than my thousands digit.
- My tens digit is worth **70**, and my ones digit is worth **1**.

I am:

☐

Challenge

Sam says, "The 4 in 247,903 is worth 4,000." Is he right? What is it really worth? Explain how you know.

I can... Tick when you can.

- ☐ say which place a digit is in, up to hundred thousands
- ☐ say what a digit is worth, like the 6 in 362,145 is worth 60,000
- ☐ split a six-digit number into the values of its digits