

Counting

Counting is the basis of all mathematical thinking.

It is important to understand both counting forward and counting backward.

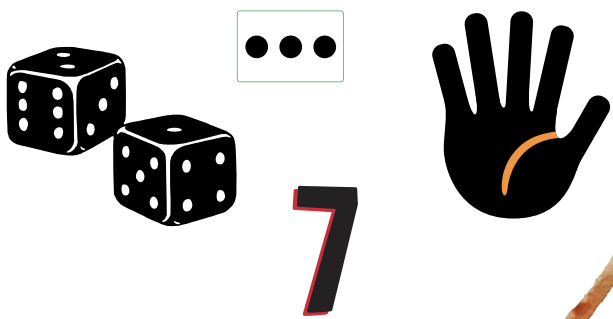
At BHS, we follow this progression in counting. Once students master one level, they move to the next!

0 to 5	5 back to 0	0 to 10	Beginning and ending at different spots within 10 (example: count from 4, stopping at 8 or start at 8 and count back to 3)
0 to 20	20 back to 0	Beginning and ending at different spots within 20	0 to 30
30 back to 0	Beginning and ending at different spots within 30	Counting by 5's to 30	0 to 50
50 back to 0	Beginning and ending at different spots within 50	Counting by 5's to 50	Counting by 10's to 50
Counting by 2's to 50 (even numbers) 0, 2, 4, 6... Then back! 50, 48, 46...	Counting by 2's to 50 (odd numbers) 1, 3, 5, 7... Then back! 49, 47, 45...	0 to 100	100 back to 0
Beginning and ending at different spots within 100	Counting by 5's to 100	Counting by 10's to 100	Counting by 10's to 100 but with different starting points (example: 6, 16, 26...)
Counting by 2's to 100 (even) and back	Counting by 2's (odd) and back	Counting coins (5 cent and 10 cent)	Using counting to problem solve

Mental Math

SUBITIZING

When you instantly see 'how many.'



1 MORE AND 1 LESS

What is one more than {a number}.

What is one less than {a number}.

How do you know?

2 MORE AND 2 LESS

What is two more than {a number}.

What is two less than {a number}.

How do you know?

FRIENDS OF 10

also known as 'magic 10 facts' or 'making 10'

0+10	10+0
1+9	9+0
2+8	8+2
3+7	7+3
4+6	6+4
5+5	

DOUBLES

1+1=2	6+6=12
2+2=4	7+7=14
3+3=6	8+8=16
4+4=8	9+9=18
5+5=10	10+10=20

10 AND SOME MORE

What happens when you add on to 10? What happens when you subtract 10 from a number?

$$10+6=16$$

It's a group of 10 and 6 more!

$$12-10=2$$

Take the 10 away, there's 2 left!

WHAT IS IT? WHY DO WE LEARN IT?

- It's the math we "do in our head."
- It's a faster way to understand math concepts.
- It builds confidence!

PROBLEM SOLVING

Use these strategies to solve word problems in school or real life problems in the world!

We DO use math everyday!

FACTS WITH ZERO

What happens when you add or subtract 0?

$$8+0=8$$

$$4-0=4$$

BRIDGING UP AND DOWN THROUGH 10

When you use your knowledge of 10 to add on.

$$8+4= \underline{\quad}$$

$$8+2=10, \text{ so } 8+4= 12$$

$$16-7= \underline{\quad}$$

$$16-6=10, \text{ so } 16-7=9$$

RELATING FACTS

When you use more than one mental math strategy or apply it to a larger number.

TWO EXAMPLES:

3+2=5, so I know that 13+2=15, and 33+2=35

Doubles plus/minus one: I know that 6+6=12, so 6+5=11 and 6+7=13