Note Connections Math Activities

Grade 2

Number Sense and Numeration



Guess My Pattern Rule

- 1. Have your child create a pattern by placing some coins (or other small objects) on the hundreds chart attached. Ask your child to think about the rule that was used.
- 2. Try to guess your child's rule.
- 3. Play the game a few times. You can make the pattern rules too!

Opportunities to use hundreds charts or mats will allow students to explore counting patterns.

Let's Talk About It

What strategy did you use to create a pattern?

Can you think of another strategy that would be helpful in creating a pattern?

What patterns did you notice in the hundreds chart?

Guess My Rule: Hundreds Chart

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100



Show What You Know!



30 + 20 - 50 35 + 30 - 65	
30 + 20 = 50 $30 + 30 = 05$	35 + 25 = 60
5 + 5 + 3 = 13 65 - 2 = 63	60 + 3 = 63
50 + 13 = 63	

59 + 47	59 + 47
52 + 49	52 + 49
81 + 19	81 + 19

Time Me!

1.1

- 1. Have your child choose an activity from the attached chart.
- 2. Have your child estimate how long it will take to complete the chosen activity.
- 3. Use a clock, watch, or stop watch to time how long it actually takes.
- 4. Switch roles; now you can do the task while your child keeps track of the time.
- 5. Complete the other activities from the attached chart or make up your own activity.

Estimation helps students use logic and reasoning in problem solving situations with numbers and helps to judge how appropriate an answer is.

Let's Talk About It

How close were your estimates to the actual times to do the activity? Were some activities more difficult to estimate? Why? What strategy did you use to estimate?

Time Me!

Activity	Estimated Time	Actual Time
Brush My Teeth		
TOOTH PASTE		
Make My Bed		
Wash My Hands		
Set the Table		



Number Detective

Rules:

1.5

- 1. Tell your child that he or she is going to be a number detective and to find the number you are thinking of.
- 2. Think of a number between 0 and 100.
- 3. Have your child ask questions to discover what the number is.

For example:

He or she may ask questions such as...

- "Is it bigger than 50?"
- "Is it an even number?"
- "Can I count by 10s to get to it?"
- "Is the tens digit bigger than the ones digit?"

Comparing numbers and using properties of numbers helps to build understanding.

Let's Talk About It

How did you discover the number?

Which questions make it easier to guess the mystery number? What other questions could you use?