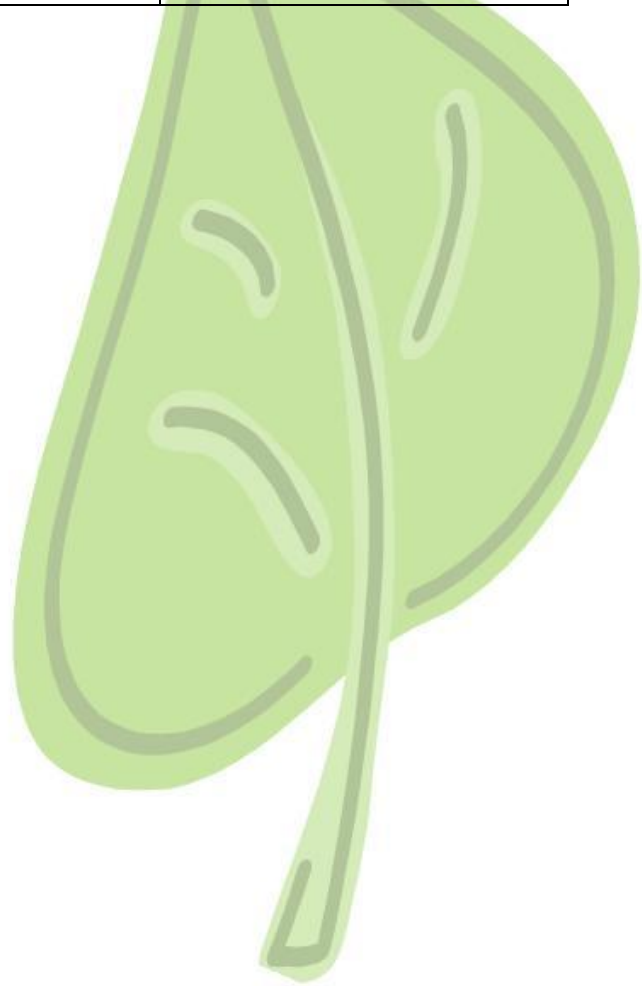


Math DesCartes: Number Sense

Skills: Whole Numbers – Represent, Identify and Count

Students:	DesCartes Skills: (Skills not related to the concepts/standards have been deleted)
	RIT 221-240: <ul style="list-style-type: none"> Writes whole numbers in standard and exponential form
	RIT 211-220: <ul style="list-style-type: none"> Identifies the numeral and written name for whole numbers through the hundred thousands Writes whole numbers in standard and expanded form through the hundred thousands
	RIT 201-210: <ul style="list-style-type: none"> Identifies the numeral and written name for whole numbers with a zero between digits to the ten thousands place Identifies the numeral and written name for whole numbers through the hundred thousands Identifies the numeral and written name for whole numbers through the billions Identifies the whole number that comes before and after any given number through 999 Identifies the place value and value of each digit in whole numbers through the billions Writes whole numbers using place value terms and vice versa Writes whole numbers in standard and expanded form through the hundred thousands
	RIT 191-200: <ul style="list-style-type: none"> Identifies the numeral and written name for whole numbers w/ a zero between digits to the ten thousands place Identifies the numeral and written name for whole numbers through the hundred thousands Identifies the numeral and written name for whole numbers through the billions Writes whole numbers using place value terms and vice versa to the hundreds place (e.g., 30 is 3 tens) Writes whole numbers in standard and expanded form through the hundreds Identifies the place value and value of each digit in whole numbers through the thousands Identifies the place value and value of each digit in whole numbers through the hundred thousands Writes whole numbers in standard and expanded form through the thousands
	RIT 181-190: <ul style="list-style-type: none"> Identifies the numeral and written name for whole numbers from 0-1000 Identifies the numeral and written name for whole numbers to the thousands place Identifies the numeral and written name for whole numbers to the ten thousands place Identifies the number that is "1 more than" a given number Identifies the number that is "1 less than" a given number Identifies the place value and value of each digit in whole numbers through the tens place Identifies the place value and value of each digit in whole numbers through the hundreds place Writes whole numbers using place value terms and vice versa to the hundreds place (e.g., 30 is 3 tens) Identifies the place value and value of each digit in whole numbers through the thousands Identifies the place value and value of each

	digit in whole numbers through the hundred thousands
	RIT 171-180: <ul style="list-style-type: none"> Identifies the numeral and written name for whole numbers from 0-20 Identifies the numeral and written name for whole numbers from 0-100 Identifies the numeral and written name for whole numbers from 0-1000 Identifies the place value and value of each digit in whole numbers through the tens place
	RIT 161-170: <ul style="list-style-type: none"> Identifies missing numbers in a series through 100 Writes whole numbers in standard and expanded form through the tens
	RIT Below 161: <ul style="list-style-type: none"> Uses objects or pictures to decompose whole numbers to 10



Math DesCartes: Number Sense

Skills: Whole Numbers – Represent, Identify and Count

For Students Ready for a Challenge:

Lesson/Activity: (same as below)

Resources: Whole Number Jeopardy #3, sticky notes, overhead projector

Means of Assessment: observation, student response

For Most Students:

Lesson/Activity:

Prepare the Game:

- Print or copy the jeopardy game board onto an overhead transparency
- Cut sticky notes to cover the answer on each square. Then cut bigger sticky notes to cover each entire square. When you put the transparency with the sticky notes on the overhead, you will be able to read the questions and answers through the sticky notes, but your students seeing the projected image will only see the shadow of the sticky note on each square.

Play the Game:

- Divide students into two groups or play as a whole class.
- Have a student choose a category and a point value (100-600). Higher point values are often harder questions.
- Ask the question. Call on the student who raises his/her hand first.
- Option: Have every student respond on paper before raising their hands so that you can later use the paper for assessment, or to help keep all students involved.
- If the student gets the answer correct, award the points to that team. If the student answers incorrectly, the other team gets a chance to answer and earn the points.
- The student who gets the correct answer chooses the category/point level of the next question.
- The team with the most points at the end of the game wins.

Resources: Whole Number Jeopardy #2, sticky notes, overhead projector

Means of Assessment: observation, student response

For Students Needing Extra Support:

Lesson/Activity: (same as above)

Resources: Whole Number Jeopardy #1, sticky notes, overhead projector

Means of Assessment: observation, student response

Closure/Summary for All:

- Review the names of the place values through ten thousands

Lesson Title: Whole Number Jeopardy

Standard/Concept for All:

Kindergarten:

M.1.1.2 Show the verbal, symbolic, and physical representations of a number up to 10.

1st Grade:

M.1.1.2 Read, write, compare, and order whole numbers to 100.

M.1.1.3 Identify place value through 99

2nd Grade:

M.1.1.2 Read, write, compare, and order whole numbers to 1,000.

M.1.1.3 Identify place value through 999.

3rd Grade:

M.1.1.1 Read, write, compare, and order whole numbers to 10,000.

M.1.1.2 Identify place value through 9,999.

4th Grade:

M.1.1.1 Read, write, compare, and order whole numbers to 100,000.

M.1.1.2 Identify and apply place value in whole numbers.

5th Grade:

M.1.1.1 Read, write, compare, and order whole numbers through millions and decimal numbers through thousandths.

M.1.1.2 Identify and apply place value in whole numbers and decimal numbers to thousandths.

WHOLE NUMBER JEOPARDY 3

	Exponents	Name the Number	Place Value #1 1,234,567	Place Value #2 9,876,043
100	$10^3 = 1,000$	54,821	Place value of 6? tens place	Place value of 8? Hundred thousands place
200	$100,000,000 = 10^8$	682,971	Worth of 3? 30,000	Worth of 3? 3
300	$6 \times 10^4 = 60,000$	304,875	In expanded form: 1,000,000 + 200,000 + 30,000 + 4,000 + 500 + 60 + 7	Round to ten thousands place 9,880,000
400	$7,000,000 = 7 \times 10^6$	1,430,892	Round to thousands place 1,235,000	In expanded form: 9,000,000 + 800,000 + 70,000 + 6,000 + 40 + 3
500	$5^3 = 125$	465,924,900	Sum of digits in thousands period: 9	Sum of digits in thousands period: 21
600	$4^3 + 8^2 = 128$	1,547,678,965	Round to the hundred thousands place: 1,200,000	Round to millions: 10,000,000

WHOLE NUMBER JEOPARDY 2

	One More or One Less	Name the Number	Place Value #1 123,456	Place Value #2 987,654
100	One more than 187 188	1,584	Place value of 6? tens place	Place value of 4? ones place
200	One less than 476 475	5,007	Worth of 4? 400	Worth of 5? 50
300	One less than 3984 3983	34,720	in expanded form: 100,000 + 20,000 + 3,000 + 400 + 50 + 6	Round to thousands place 988,000
400	One more than 7620 7621	365,832	Round to thousands place 123,000	In expanded form: 900,000 + 80,000 + 7,000 + 600 + 50 + 4
500	One more than 12,565 12,566	705,195	Sum of digits in thousands period: 6	Sum of digits in thousands period: 24
600	One less than 36,98 36,98	2,378,945	Round to the hundred thousands place 100,000	Round to hundred thousands 1,000,000

WHOLE NUMBER JEOPARDY 1

	What Number Is Missing?	Name the Number	Place Value #1 123	Place Value #2 654
100	2, 3, ____ 4	24	Place value of 2? tens place	Place value of 4? ones place
200	8, ____, 10 9	57	Place value of 1? hundreds place	Place value of 5? tens place
300	20, 21, __ 22	347	Worth of 3? 3	Worth of 4? 4
400	____, 35, 36 34	802	Worth of 2? 20	Worth of 6? 600
500	56, ____, 58 57	2,671	Worth of 1? 100	Worth of 5? 50
600	89, 90, ____ 91	78,945	Sum of digits: 6	Sum of digits: 15