Math and STEM Strategies and Activities to use at Home

Sponsored by Title 1

Agenda

01 | Math Tools/DICE Games

Hundreds Chart, Dice games and fun ideas for home

02 | Developing Number Sense

Ideas for getting your student to interact with rsnumbers

03 | Problem Solving/CUBES

Then, we will talk about this.

04 | STEM Activities

STEM education and at home ideas

05 | Online Resources

Reflex Math
IXL

06 | Parent Evaluation

Please be sure and complete the evaluation before leaving

Math Tools to Use at Home

Hundreds Chart
Use the Hundreds Chart to have your child count by 1's, 2's, 5's and 10's.

Have your child identify the pattern they see when Counting.

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

Hundreds Chart

Math Tools to Use at Home

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		

MULTIPLICATION CHART 1-12

x	1	2	3	4	5	6	7	8	9	10	11	12
1	1	2	3	4	5	6	7	8	9	10	11	12
2	2	4	6	8	10	12	14	16	18	20	22	24
3	3	6	9	12	15	18	21	24	27	30	33	36
4	4	8	12	16	20	24	28	32	36	40	44	48
5	5	10	15	20	25	30	35	40	45	50	55	60
6	6	12	18	24	30	36	42	48	54	60	66	72
7	7	14	21	28	35	42	49	56	63	70	77	84
8	8	16	24	32	40	48	56	64	72	80	88	96
9	9	18	27	36	45	54	63	72	81	90	99	108
10	10	20	30	40	50	60	70	80	90	100	110	120
11	11	22	33	44	55	66	77	88	99	110	121	132
12	12	24	36	48	60	72	84	96	108	120	132	144

Skip Counting to Identify Multiples

In lower grades, the hundreds chart is used to teach counting and patterns.

In upper grades, it can help students identify multiples which aid in learning multiplication facts.

DICE Games

Dice Games are an easy way to get your student thinking about numbers.

Use the digits rolled to add, subtract, and multiply.

25 Fun Math Games

More and Less

Roll one die and write the number in the middle box. Fill in the numbers for 10 more, 10 less, 1 more, and 1 less.

Greater Than Less Than

Roll the dice and write in the the 2 numbers. Write in the correct sign in the circle. < > or =

Developing Number Sense at Home

01 What's the Question? Give your child an answer and they have to ask the question.

02 Who am I? I am an even number greater than ten but less than twenty. The sum of digits is nine. Who Am I?

03 Which number does not belong?

Which number does not belong : 4, 12, 17, 8, 20?

04 Which has more?
The number of wheels on two cars or the number of eggs in a dozen?

05 And the answer is.....
Student should compute a series of numbers in their head - the number of months in a year minus the number of days in a week.

Developing Number Sense

Problem Solving Strategy

C — Circle key numbers & units
What do I know?

U — Underline the question
What am I being asked to solve?

B — Box math clue words
Am I going to +, -, x, or ÷ ?

E — Evaluate and Eliminate
What steps do I take?
What information don't I need?

S — Solve and Show your work
Does my answer make sense?
How can I double check?

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Keywords in Word Problems

Addition
- Add
- All together
- Altogether
- And
- Combined
- How many in all
- How much
- In all
- Increased by
- Plus
- Sum
- Together
- Total

Subtraction
- Minus
- Lost
- Change
- Difference
- Fewer
- Fewer than
- How many are loft
- Need to
- Reduce
- Subtract
- Take away
- Remain

Multiplication
- By
- Double
- Every
- Factor of
- Increased by
- Multiplied by
- Of
- Product
- Times
- Triple
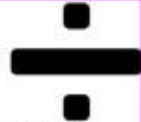
Division
- As much
- Cut up
- Each group has
- Equal sharing
- Half
- How many in each
- Parts
- Per
- Percent
- Quotient of
- Ratio of
- Separated
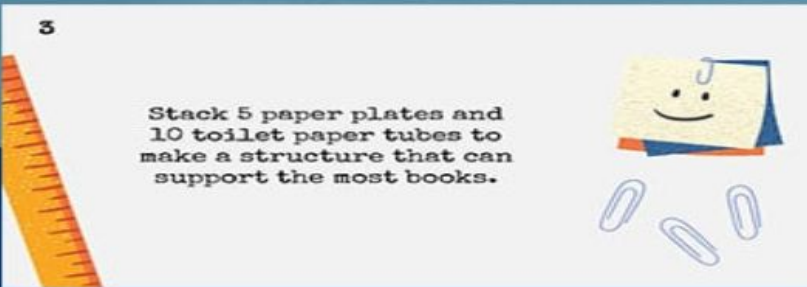- Share something equally

Fun STEM Activities

1 Use plastic straws, masking tape, and construction paper to make a raft with a sail.

2 Build the tallest tower you can with uncooked spaghetti and mini marshmallows.

3 Stack 5 paper plates and 10 toilet paper tubes to make a structure that can support the most books.
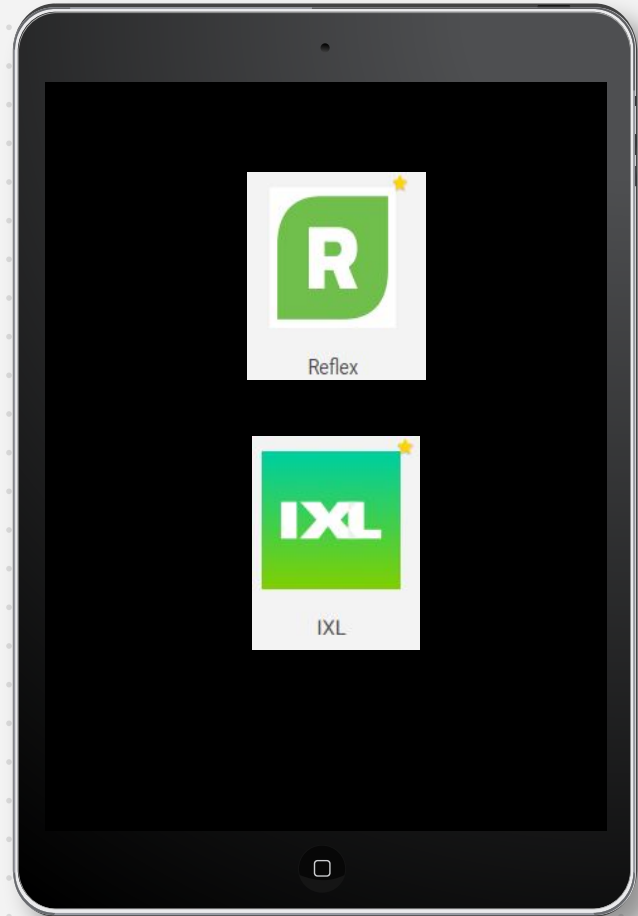
4 Use newspapers and masking tape to build a table that can hold a cup full of water.

Benefits of STEM Education

slidesmania.com

Online Resources - My Portal SBAC site

My Portal

Thank you!

Do you have any questions?

Title 1 District Page