

math & movement



**Family  
Fun  
Night**

**Program Guide & Workbook**



# Welcome to the Math & Movement Family Fun Night!

- 1.** Stations can be done in any order.
- 2.** Write down your answers in this workbook, using the mats to help you solve the questions!
- 3.** Have fun with your friends and family!

**Let's get  
started!**



# Add/Subtract Hop

To add with this mat, stand on the first number of the problem. Then, jump forward the number of spaces that equal the second number. What number did you land on? That's your answer!

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

To subtract, start on the first number, and then walk towards zero the number of spaces that equal the second number. Try it out with the problems below!

**Solve these problems using the mat...**

$6 + 12 = \underline{\hspace{2cm}}$

$3 - 2 = \underline{\hspace{2cm}}$

$88 + 4 = \underline{\hspace{2cm}}$

$7 + 12 = \underline{\hspace{2cm}}$

$12 + 5 = \underline{\hspace{2cm}}$

$25 - 10 = \underline{\hspace{2cm}}$

$8 - 2 = \underline{\hspace{2cm}}$

$81 + 5 = \underline{\hspace{2cm}}$

$44 - 3 = \underline{\hspace{2cm}}$

$17 + 5 = \underline{\hspace{2cm}}$

$55 + 7 = \underline{\hspace{2cm}}$

$40 - 3 = \underline{\hspace{2cm}}$

$17 - 3 = \underline{\hspace{2cm}}$

$99 - 21 = \underline{\hspace{2cm}}$

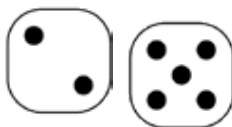
**For younger students...**

Roll two dice...

Find the number they make when placed together...25!

Find 25 on the mat.

What is one more than 25? What is one less?



# Skip Counting by 2s

## Jump on the Mat!

1. Stand on the START HERE block.
  2. Jump on the 1 and whisper, "one."
  3. Clap and jump on the "2" as you shout, "TWO!"
  4. Jump on the 3 and whisper, "three."
  5. Clap and jump on the "4" as you shout, "FOUR!"
  6. Keep going all the way to the end of the mat.
- Do it again at least once, but twice is better!

## How to Solve Problems Using the Mat

Example:  $2 \times 2$

Stand on the 'Start Here' block. Then, jump forward on the BLUE multiple blocks TWO times ( $\times 2$ ). What are you standing on? FOUR! That's your answer!

## Now solve these problems:

$2 + 2 = \underline{\quad\quad\quad}$        $2 \times 2 = \underline{\quad\quad\quad}$

$2 + 2 + 2 = \underline{\quad\quad\quad}$        $2 \times 3 = \underline{\quad\quad\quad}$

$2 + 2 + 2 + 2 = \underline{\quad\quad\quad}$        $2 \times 4 = \underline{\quad\quad\quad}$

$2 + 2 + 2 + 2 + 2 = \underline{\quad\quad\quad}$        $2 \times 5 = \underline{\quad\quad\quad}$

$7 + 5 = \underline{\quad\quad\quad}$        $14 - 4 = \underline{\quad\quad\quad}$

$6 + 8 = \underline{\quad\quad\quad}$        $16 - 12 = \underline{\quad\quad\quad}$

$10 + 10 = \underline{\quad\quad\quad}$        $6 - 5 = \underline{\quad\quad\quad}$



# Skip Counting by 3s

## Jump on the Mat!

1. Stand on the START HERE block.
2. Jump on the 1 and whisper, "one."
3. Jump on the 2 and whisper, "two."
4. Clap and jump on the "3" as you shout, "THREE!"
5. Jump on the 4 and whisper, "four."
6. Jump on the 5 and whisper, "five."
7. Clap and jump on the "6" as you shout, "SIX!"
8. Keep going all the way to the end of the mat.

## Jumping Multiples

The numbers on the red spaces are the multiples of 3. Jump down the mat on the red spaces and shout the number on each one!

## Multiplication

Stand on zero. Jump forward on the red spaces by the number you are multiplying 3 by. What number did you jump to? That is your answer!

$9 \times 3 = \underline{\quad\quad\quad}$

$7 \times 3 = \underline{\quad\quad\quad}$

$3 \times 3 = \underline{\quad\quad\quad}$

$10 \times 3 = \underline{\quad\quad\quad}$

$5 \times 3 = \underline{\quad\quad\quad}$

$6 \times 3 = \underline{\quad\quad\quad}$

## Division

Stand on the first number of the problem and jump back to zero on the red spaces. How many hops did it take to get back to zero? That is your answer!

$9 \div 3 = \underline{\quad\quad\quad}$

$21 \div 3 = \underline{\quad\quad\quad}$

$30 \div 3 = \underline{\quad\quad\quad}$

$15 \div 3 = \underline{\quad\quad\quad}$

$12 \div 3 = \underline{\quad\quad\quad}$

$6 \div 3 = \underline{\quad\quad\quad}$

