



# Math Drills

## **Features:**

- Engaging way for students to drill basic math facts.
- Four different games for practicing basic math facts.
- Wide-variety of skill levels ranging from simple addition to complex division.
- Teacher can set students skill level (**Subscription Website Only**)
- Student level progression [as students demonstrate mastery of a skill level, they are provided with a new one.] (**Subscription Website Only**)
- Student progress monitoring. (**Subscription Website Only**)

## **Grade Levels:**

Appropriate for Grades 2 – 6.

## **Brief Description:**

There are four separate mini-games in this activity. First the students must choose a game to play. Then they choose their math level and begin the game. Each activity responds differently when the student answers the math question correctly. After completing a chosen amount of problems or after a certain amount of time expires, the game ends, and the student is taken to a summary screen of their work.

## **Lesson Ideas:**

Introduction to Math Drills, Math Skills Review, Timed Challenge

## **How To Play:**

First the student must choose one of the four games to play. Then after choosing their game options, they may begin the game.

- In the asteroids game, as the student answers questions correctly, the ship will blast the asteroid. If the student takes too long or misses the question, the asteroid will crash into the ship and lower its life bar. The game is over after the question/time limit is reached or if the ship crashes.
- In the car race game, as the student answers questions correctly, the car speeds around the track. If the student misses a question, the car slows down and eventually stops. The game is over when the car completes all of the laps or if the question/time limit is reached.
- In the shuttle launch game, as the student answers questions correctly, the shuttle begins to build speed and launch off the surface. If the student answers questions incorrectly, the shuttle will slow down and eventually crash on the surface. The game is over when the question/time limit is reached.
- In the fireworks game, as the student answers questions correctly, a firework is launched into the sky. The goal is to launch as many fireworks as possible before the question/time limit is reached.

After completing each game the student is taken to a printable summary screen of their work.

## **Connection to Standards**

State Standards:

- State Goal 6 B. Investigate, represent and solve problems using number facts,



operations (addition, subtraction, multiplication, division) and their properties, algorithms and relationships.)

- State Goal 6 C. Compute and estimate using mental mathematics, paper-and-pencil methods, calculators and computers.

NETS Technology Standards:

- Demonstrate the safe and cooperative use of technology. (5)
- Communicate about technology using developmentally appropriate and accurate terminology. (6)
- Demonstrate the ability to navigate in virtual environments such as electronic books, simulation software, and Web sites. (6)

### **Level Definitions**

<b>Level #:</b>	<b>Level Description</b>	<b>Level #:</b>	<b>Level Description</b>
0	Counting	34	Multiplication facts with 9
1	Addition sums less than 10	35	Multiplication facts with 10
2	Addition facts with 1	36	Multiplication facts with 11
3	Addition facts with 2	37	Multiplication facts with 12
4	Addition facts with 3	38	Multiplication - Double Digit
5	Addition facts with 4	39	Rounding to the nearest 10
6	Addition facts with 5	40	Rounding to the nearest 100
7	Addition facts with 6	41	Rounding to the nearest 1000
8	Addition facts with 7	42	Addition / Subtraction - Double Digit
9	Addition facts with 8	43	Division facts with 2
10	Addition facts with 9	44	Division facts with 3
11	Subtraction facts less than 10	45	Division facts with 4
12	Subtraction facts with 1	46	Division facts with 5
13	Subtraction facts with 2	47	Division facts with 6
14	Subtraction facts with 3	48	Division facts with 7
15	Subtraction facts with 4	49	Division facts with 8
16	Subtraction facts with 5	50	Division facts with 9
17	Addition / Subtraction - Single Digit	51	Division facts with 10
18	Addition - Double Digit - No Regrouping	52	Division facts with 11
19	Subtraction - Double Digit - No Regrouping	53	Division facts with 12
20	Addition - Double Digit	54	Addition - Decimals - Tenths
21	Subtraction - Double Digit	55	Subtraction - Decimals - Tenths
22	Addition - Double Digit	56	Rounding - Decimals - Tenths
23	Subtraction - Double Digit	57	Rounding - Decimals - Hundredths
24	Addition - Triple Digit - No Regrouping	58	Rounding - Decimals - Thousandths
25	Subtraction - Triple Digit - No Regrouping	59	Multiply / Divide - Double Digit / Single Digit
26	Multiplication facts with 1	60	Multiply / Divide - Double Digit
27	Multiplication facts with 2	61	Addition / Subtraction - Triple Digit
28	Multiplication facts with 3	62	Multiply / Divide - Triple Digit
29	Multiplication facts with 4	63	Addition - Decimals to Hundredths
30	Multiplication facts with 5	64	Subtraction - Decimals to Hundredths
31	Multiplication facts with 6	65	Addition - Decimals to Thousandths
32	Multiplication facts with 7	66	Subtraction - Decimals to Thousandths
33	Multiplication facts with 8		