# First in math® SKILL SET® Quick Reference Guide


## SS1 - Game 1

**(Add Only 1 Dot)**
Skills: One-step operation. Addition only using numbers 0-12.

**Example:**
Target number is 6.
The left wheel works.
5 + 1 = 6


## SS1 - Game 2

**(Subtract Only 1 Dot)**
Skills: One-step operation. Subtraction only using numbers 0-12.

**Example:**
Target number is 3.
The right wheel works.
5 – 2 = 3


## SS1 - Game 3

**(Add & Sub. Only 2 Dot)**
Skills: Randomly displays Add Only or Subtract Only. One-step operation using numbers 0-24.

**Example:**
Target number is 13.
The left wheel works.
17 – 4 = 13

1


## SS2 - Game 1

**(Add/Subtract Only 1 Dot)**
Skills: One-step operation using numbers 0-24. Can add or subtract.

**Example:**
Target number is 16.
The left wheel works.
20 – 4 = 16


## SS2 - Game 2

**(Add/Subtract 2 Dot)**
Skills: Two-step operation. Can add or subtract. Only the wheel that works is shown.

**Example:**
Target number is 8.
The left wheel works.
5 – 4 = 1
9 – 1 = 8


## SS2 - Game 3

**(Add/Subtract 3 Dot)**
Skills: Two-step operation. Can add or subtract. Target number is 24.

**Example:**
Target number is 24.
The left wheel works.
13 – 1 = 12
12 + 12 = 24

2


## SS3 - Game 1

**(Multiply Only 1 & 2 Dot)**
Skills: One-step operation. Multiplication only.

**Example:**
Target number is 12.
The left wheel works.
2 x 6 = 12


## SS3 - Game 2

**(Divide Only 1 & 2 Dot)**
Skills: One-step operation. Division only.

**Example:**
Target number is 7.
The right wheel works.
7 ÷ 1 = 7


## SS3 - Game 3

**(Multiply/Divide 1 Dot)**
Skills: One-step operation. Can add, subtract, multiply and divide (all four operations).

**Example:**
Target number is 24.
Right wheel works.
6 x 4 = 24

3


## SS4 - Game 1

**(Multiply/Divide 2 Dot)**
Skills: Two-step operation. Can use all four operations. Only the wheel that works is shown

**Example:**
Target number is 6.
The left wheel works.
8 ÷ 2 = 4
4 + 2 = 6


## SS4 - Game 2

**(Multiply/Divide 3 Dot)**
Skills: Two-step operation. Can use all four operations. Target number is 24.

**Example:**
Target number is 24.
The left wheel works.
3 x 7 = 21
21 + 3 = 24


## SS4 - Game 3

**(Single Digits 1 & 2 Dot)**
Skills: Three-step operation. Can use all four operations. Focus: Single digits 1 to 9.

**Example:**
Target number is 24.
7 – 5 = 2
2 + 1 = 3
3 x 8 = 24

4


## SS5 - Game 1

**(Fract. Primer 1 & 2 Dot)**
Skills: One and Two-step operations. Can add and subtract. Focus: Basic fractions with like and unlike denominators.

**Example:**
Target number is 2/3.
11/12 – 3/12 = 2/3


## SS5 - Game 2

**(Double Digits 1 & 2 Dot)**
Skills: Three-step operation. Can use all four operations. Focus: Double digits 1 to 24.

**Example:**
Target number is 24.
11 + 11 = 22
4 – 2 = 2
22 + 2 = 24


## SS5 - Game 3

**(Decimal Primer 1 & 2 Dot)**
Skills: One and Two-step operations. Can use all four operations. Focus: Decimals.

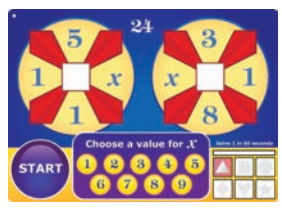
**Example:**
Target number is 3.
The right wheel works.
2.7 + 0.3 = 3

5


## SS6 - Game 1

**(Decimals 1 & 2 Dot)**
Skills: Three-step operation. Can use all four operations. Focus: Decimals.

**Example:**
Target number is 24.
0.4 + 0.6 = 1
1 + 1 = 2
2 x 12 = 24




## SS6 - Game 2

**(Variables)**
Skills: Multi-step operation. Use all four operations. Focus: Pre-algebra/variables.

**Example:**
Target number is 24.
Variable number can be 5

| L Wheel: | R Wheel: |
|---|---|
| 5 x 5 = 25 | 5 x 3 = 15 |
| 25 – 1 = 24 | 15 + 1 = 16 |
| 24 x 1 = 24 | 16 + 8 = 24 |


## SS6 - Game 3

**(Fractions Primer M/D)**
Skills: One and Two-step operations. Can use all four operations. Focus: Intermediate Fractions.

**Example:**
Target number is 6.
The right wheel works.
3 ÷ 1/2 = 6

6


## SS7 - Game 1

**(Fractions 1 & 2 Dot)**
Skills: Three-step operation. Can use all four operations. Focus: Fractions fluency.

**Example:**
Target number is 24.
4 ÷ 1/3 = 12
2 x 1 = 2
2 x 12 = 24


## SS7 - Game 2

**(Integers 1 & 2 Dot)**
Skills: Three-step operation. Can use all four operations. Focus: Negative numbers.

**Example:**
Target number is 24.
−4 + −8 = −12
2 – 4 = −2
−2 x −12 = 24


## SS7 - Game 3

**(Algebra 1 Dot)**
Skills: Three-step operation. Can use all four operations. Focus: Algebraic expression.

**Example:**
Target number is 24.
x = 4 (2/4 = 1/2)
4 x 5 = 20
8 x 1/2 = 4
20 + 4 = 24

7


## SS8 - Game 1

**(Exponents 1 & 2 Dot)**
Skills: Three-step operation. Can use all four operations. Focus: Exponents.

**Example:**
Target number is 24.
√ of 9 = 3
3 – 1 = 2
2 x 1 = 2
2 x 12 = 24


## SS8 - Game 2

**(Algebra 2 Dot)**
Skills: Three-step operation. Can use all four operations. Focus: Algebraic expressions.

**Example:**
Target number is 24.
y = 2 [4 x 2 – 5 = 3]
3 x 2 = 6
5 – 1 - 4
6 x 4 = 24


## SS8 - Game 3

**(Algebra 3 Dot)**
Skills: Three-step operation. Can use all four operations. Focus: Algebraic expressions.

**Example:**
Target is 24. y = 2
(y+3)(y2-2)/(y+3) = y2 - 2 = 4 - 2 = 2
4 – 2 = 2
4 x 3 = 12
12 x 2 = 24

8

NOTE: On all Original-style cards (single wheel), object is to make the number 24. You must use all four numbers on a wheel, but use each number only once. You can use all four operations.