FIRST IN MATH®
Energizing Every Child to Learn, Love & Live Math™
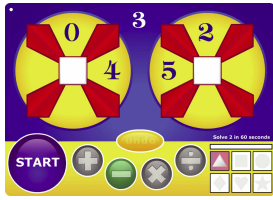
SKILL SET® Quick Reference Guide

1

SS1 - Game 1
(Add Only 1 Dot)
Skills: One-step operation. Addition only using numbers 0-12.

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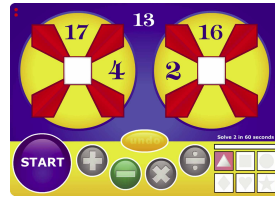The left wheel works.
5 + 1 = 6

SS1 - Game 2
(Subtract Only 1 Dot)
Skills: One-step operation. Subtraction only using numbers 0-12.

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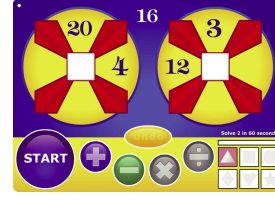The right wheel works.
5 − 2 = 3

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

2

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.
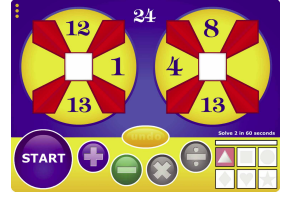The left wheel works.
20 − 4 = 16

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.
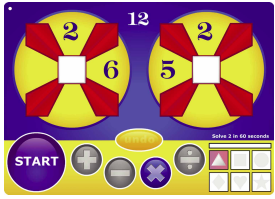The left wheel works.
5 − 4 = 1
9 − 1 = 8

SS2 - Game 3
(Add/Subtract 3 Dot)
Skills: Two-step operation. Can add or subtract. Target number is 24.

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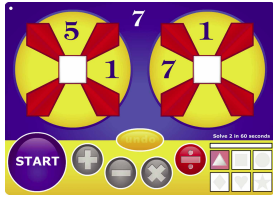The left wheel works.
13 − 1 = 12
12 + 12 = 24

3

SS3 - Game 1
(Multiply Only 1 & 2 Dot)
Skills: One-step operation. Multiplication only.

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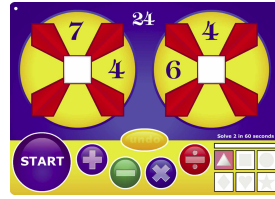Target number is 12.
The left wheel works.
2 x 6 = 12

SS3 - Game 2
(Divide Only 1 & 2 Dot)
Skills: One-step operation. Division only.

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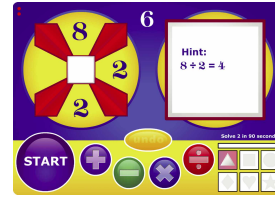7 ÷ 1 = 7

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.
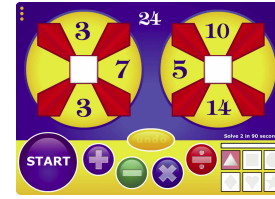Right wheel works.
6 x 4 = 24

4

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
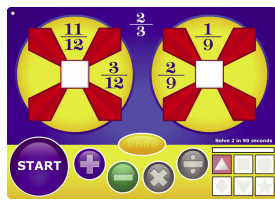21 + 3 = 24

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

5

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.

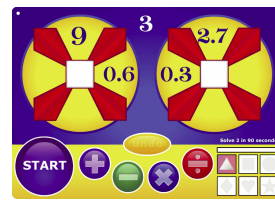**Example:**
Target number is 2/3.
11/12 − 3/12 = 2/3

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.
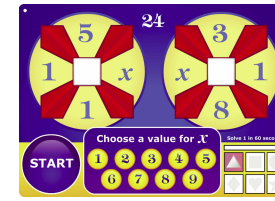The right wheel works.
2.7 + 0.3 = 3

6

SS6 - Game 1
(Decimals 1 & 2 Dot)
Skills: Three-step operation. Can use all four operations. Focus: Decimals.

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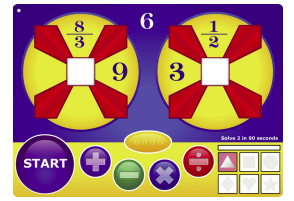Target number is 24.
0.4 + 0.6 = 1
1 + 1 = 2
2 x 12 = 24

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
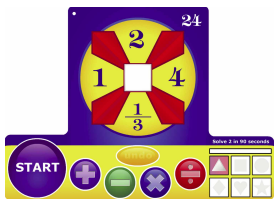24 x 1 = 24   16 + 8 = 24

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.
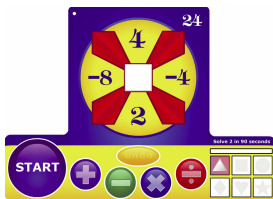The right wheel works.
3 ÷ 1/2 = 6

7

SS7 - Game 1
(Fractions 1 & 2 Dot)
Skills: Three-step operation. Can use all four operations. Focus: Fractions fluency.

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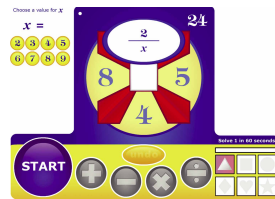4 ÷ 1/3 = 12
2 x 1 = 2
2 x 12 = 24

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)
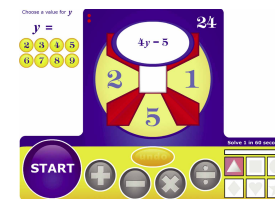4 x 5 = 20
8 x 1/2 = 4
20 + 4 = 24

8

SS8 - Game 1
(Exponents 1 & 2 Dot)
Skills: Three-step operation. Can use all four operations. Focus: Exponents.

Example:
Target number is 24.
$\sqrt{}$ 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.
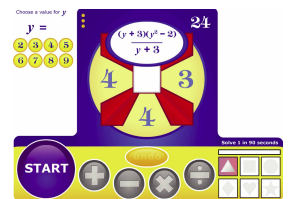$y = 2$ $[4 \times 2 − 5 = 3]$
3 x 2 = 6
5 − 1 - 4
6 x 4 = 24

SS8 - Game 3
(Algebra 3 Dot)
Skills: Three-step operation. Can use all four operations. Focus: Algebraic expressions.

Example:
Target number 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

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.