

Solve It Strips[®]

INSPIRED
elementary

LET'S MULTIPLY!

The image shows a digital tablet displaying a worksheet titled "Solve It Strips" with a "MULTIPLY BY 7" section. The worksheet is divided into two columns. The left column contains a sequence of multiplication problems, each with a starting number in a box: 14, 63, 42, 28, and 77. The right column contains a sequence of multiplication problems, each with a starting number in a box: 70, 7, 35, 21, 49, 84, and 56. The problems are arranged in a grid-like format. The bottom right corner of the worksheet features the "INSPIRED elementary" logo and a small copyright notice.

Solve It Strips

MULTIPLY BY 7

START: $7 \times 10 =$

70 $7 \times 1 =$

7 $7 \times 5 =$

35 $7 \times 3 =$

21 $7 \times 7 =$

49 $7 \times 12 =$

84 $7 \times 8 =$

56 $7 \times 2 =$

7

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DIGITAL VERSION

HOW TO USE DIGITAL SOLVE IT STRIPS®

SAMPLE
(SUMS & DIFF. SET SHOWN)

Students begin by dragging the START strip to the Solve It Strip.

The 'Solve It Strips' clipboard shows a 'START' strip with the equation $1 + 1 =$ and an empty answer box. Below it are several numbered strips with equations: 10 $4 + 1 =$, 8 $5 + 1 =$, 2 $8 + 1 =$, 4 $2 + 1 =$, 3 $10 + 0 =$, 9 $2 + 2 =$, 5 $7 + 1 =$, and 6 **FINISH!**. The 'Sums + 10' board has a 'START' strip with $1 + 1 =$ and seven empty boxes below it. A pink arrow points from the 'START' strip on the clipboard to the first empty box on the board.

The 'Solve It Strips' clipboard is the same as in the previous image. The 'Sums + 10' board now has the 'START' strip with $1 + 1 =$ and an empty answer box moved to the top of the board's list of boxes.

Next, they solve the problem given on the START strip (ex. $1 + 1 = 2$). So students find the strip that has a 2 in the answer box and drag that below the START strip.

The 'Solve It Strips' clipboard is the same. The 'Sums + 10' board has the 'START' strip with $1 + 1 =$ and an empty answer box at the top. A pink arrow points from the '2' in the answer box of the strip with $8 + 1 =$ on the clipboard to the empty answer box on the board.

The 'Solve It Strips' clipboard is the same. The 'Sums + 10' board has the 'START' strip with $1 + 1 =$ and an empty answer box at the top. The strip with 2 in the answer box and $8 + 1 =$ is now placed in the second box of the board's list.

Students continue on solving the problems on teach strip until they reach the FINISH strip. If students don't end up on the FINISH strip, they didn't do it correctly and need to try again (so it's self-correcting!)

The 'Solve It Strips' clipboard is the same. The 'Sums + 10' board has the 'START' strip with $1 + 1 =$ and an empty answer box at the top. The strip with 2 in the answer box and $8 + 1 =$ is in the second box, and the strip with 9 in the answer box and $2 + 2 =$ is in the third box.

The 'Solve It Strips' clipboard is empty. The 'Sums + 10' board has the 'START' strip with $1 + 1 =$ and an empty answer box at the top. The strip with 2 in the answer box and $8 + 1 =$ is in the second box, the strip with 9 in the answer box and $2 + 2 =$ is in the third box, the strip with 4 in the answer box and $2 + 1 =$ is in the fourth box, the strip with 3 in the answer box and $10 + 0 =$ is in the fifth box, the strip with 10 in the answer box and $4 + 1 =$ is in the sixth box, the strip with 5 in the answer box and $7 + 1 =$ is in the seventh box, and the strip with 8 in the answer box and $5 + 1 =$ is in the eighth box. The strip with 6 in the answer box and **FINISH!** is in the ninth box.

DIGITAL SOLVE IT STRIPS[®] ARE ENGAGING & FUN!

Solve It Strips[®]

14 $7 \times 9 =$

63 $7 \times 4 =$

42 $7 \times 11 =$

$7 \times 6 =$

77 **FINISH!**

MULTIPLY BY 7

START: $7 \times 10 =$

70 $7 \times 1 =$

7 $7 \times 5 =$

35 $7 \times 3 =$

21 $7 \times 7 =$

49 $7 \times 12 =$

84 $7 \times 8 =$

56 $7 \times 2 =$

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15 DIFFERENT SOLVE IT STRIPS[®] IN EACH SET!

The image displays three overlapping 'Solve It Strips' worksheets and one 'Let's Multiply!' sheet. Each 'Solve It Strip' features a 'START' section with a multiplication problem, a number in a box, and another multiplication problem. The strips are designed to be used sequentially, with the number from one strip being the multiplier for the next. The 'Let's Multiply!' sheet provides a series of blank lines for multiplication practice.

Solve It Strips 1:
START: $4 \times 6 =$
4 $4 \times 5 =$
28
24
40
48
32
44

Solve It Strips 2:
START: $7 \times 10 =$
7 $7 \times 5 =$
14
84
35
28
56
77

Solve It Strips 3:
START: $5 \times 4 =$
12 $7 \times 7 =$
18 $10 \times 10 =$
36 $12 \times 5 =$
32 $9 \times 11 =$
20 $8 \times 3 =$
49 $6 \times 3 =$
99 $11 \times 12 =$
24 $4 \times 9 =$
100 $4 \times 8 =$
132 $9 \times 12 =$
60 $2 \times 6 =$
108 **FINISH!**

Let's Multiply!

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EASY CORRECTING WITH ANSWER KEYS & RECORDING SHEETS

Answer Key - Let's Multiply!

1 4 6 7 8 10 11 5 2 3 2 1 Multiply by 1	2 4 4 6 10 18 2 16 5 Multiply by 2	3 12 9 30 15 33 18 36 21 Multiply by 3	4 24 28 8 4 20 32 16 40 12 48 20 Multiply by 4	5 15 20 35 40 25 15 30 60 0 50 15 0 Multiply by 5
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6
36
6
48
54
12
24
60
66
18
30
42
72
Multiply by 6

11
99
88
132
55
Multiply by 11

Name: _____ Date: _____

Solve It Strips®

ANSWER RECORDING SHEET

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
START	START	START	START	START	START	START	START	START	START	START	START	START	START	START

