

Solve It Strips®

INSPIRED
elementary

SUMS & DIFFERENCES TO 20

The image shows a digital tablet displaying the 'Solve It Strips' game board. The board is divided into two main sections: a 'Solve It Strips' clipboard on the left and a 'Sums to 20' board on the right. The clipboard contains a sequence of numbers and instructions: 15 (6 more than 9), 17 (10 more than 7), 11 (8 more than 3), 16 (4 more than 12), and 9 (FINISH!). The 'Sums to 20' board has a 'START' box with '2 more than 10', followed by boxes for 12 (6 more than 6), 10 (3 more than 7), 20 (7 more than 13), and 14 (9 more than 5). Below these are five empty boxes for further calculations. A small '2' in a circle is at the bottom left of the board, and the 'INSPIRED elementary' logo is at the bottom right.

Solve It Strips®

SUMS + 20

START: 2 more than 10

12 6 more than 6

10 3 more than 7

20 7 more than 13

14 9 more than 5

15 6 more than 9

17 10 more than 7

11 8 more than 3

16 4 more than 12

9 **FINISH!**

2

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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 $| + | =$. Below it are seven numbered strips: 10, 8, 2, 4, 3, 9, and 5. The 'FINISH!' strip is at the bottom. To the right, the 'Sums + 10' board has a 'START' strip with $| + | =$ and seven empty boxes below it. A pink arrow points from the 'START' strip on the clipboard to the top box on the board.

The 'Solve It Strips' clipboard is the same as in the previous image. The 'START' strip has been moved from the clipboard and is now placed in the top box of the 'Sums + 10' board. The rest of the board and the clipboard are unchanged.

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 'START' strip is now in the top box of the board. A pink circle highlights the number '2' in the answer box of the strip with the equation $8 + 1 =$. A pink arrow points from this '2' to the second empty box on the board.

The 'Solve It Strips' clipboard is the same. The 'START' strip is in the top box. The strip with the equation $8 + 1 =$ and the answer '2' has been moved from the clipboard and is now placed in the second box of the board.

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 'START' strip is in the top box. The strip with $8 + 1 = 2$ is in the second box. The strip with the equation $2 + 1 =$ and the answer '4' is now in the third box. The strip with $2 + 2 =$ and the answer '9' is now in the fourth box.

The 'Solve It Strips' clipboard is empty. The 'Sums + 10' board has the 'START' strip in the top box, followed by the strip with $8 + 1 = 2$, then the strip with $2 + 2 = 9$, then the strip with $2 + 1 = 4$, then the strip with $10 + 0 = 3$, then the strip with $4 + 1 = 10$, then the strip with $7 + 1 = 5$, then the strip with $5 + 1 = 8$, and finally the 'FINISH!' strip in the bottom box.

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

Solve It Strips[®]

START: 2 more than 10

12 6 more than 4

20 7 more than 7

15 8 more than 1

Sums +0 20

Solve It Strips[®]

START: 5 less than 10

5 3 less than 16

11 7 less than 11

4 2 less than 10

10

13

7

Differences Within 20

Solve It Strips[®]

START: 5 less than 17

17 3 more than 6

18 8 less than 11

9 8 more than 1

12 2 less than 11

11 10 less than 11

19 2 less than 20

6 2 more than 9

Mixed Strips +0 20

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