

Sample Puzzle
Age 8 – Puzzle 50

Sample Puzzle Instructions

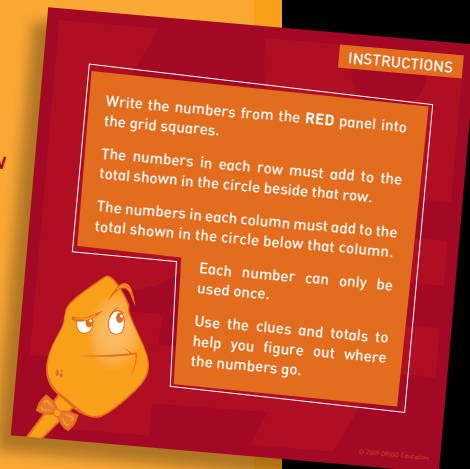
The ZUPELZ CD has been designed for the whole class to solve the puzzles.

Teachers will have to ensure the students understand how to solve the puzzles (see the instruction card on the right).

The CD includes 100 puzzles in an interactive format to be displayed on an interactive whiteboard or with a data projector and standard whiteboard. When used in this format, ZUPELZ stimulates whole-class discussion and provides students with practice in explaining and justifying their reasoning. The following pages demonstrate how to use one puzzle with the whole class.

For best viewing, display the puzzle in full-screen mode. The red dots to the right of the puzzle show the number of clues available. Only one solution will match all the available clues. To reveal the clues one at a time and then the answer use the mouse or the spacebar, down arrow, or right arrow on the keyboard.

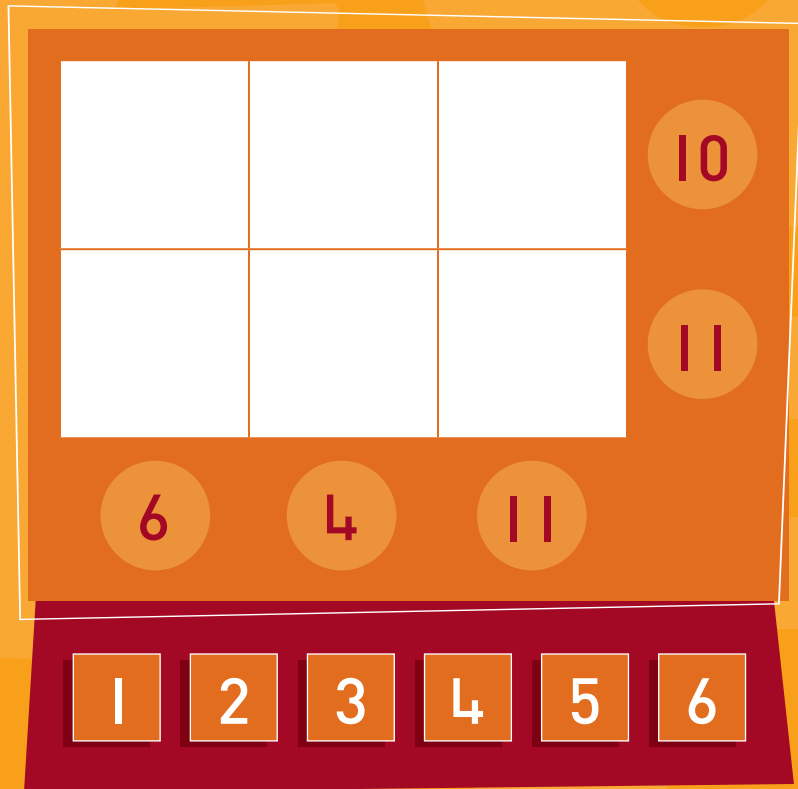
The following sample puzzle includes suggested questions to encourage class discussion.



Discuss the puzzle with the class. Ask, *What is the least total?*

Which numbers in the red panel cannot go in that column?

Why not?



These dots show the number of clues for the puzzle.

Ask, Which numbers in the red panel match this clue?

Can we solve the puzzle now?

			10
Even			11
6	4	11	

1

2

3

4

5

6

A



The white dot indicates the first clue is now shown.

Ask, Which numbers in the red panel match this clue?

Can we solve the puzzle now?

			10
Even		Double 3	11
6	4	11	

1

2

3

4

5

6

A

A second clue is revealed.

Ask, Which number
in the red panel
matches this clue?

Can we solve the
puzzle now?

Ask a volunteer to
write their solution
in the grid.

	$23 - 20$	
Even		Double 3

6

4

11

1

2

3

4

5

6

A

●

●

●

All clues are now
shown. The correct
solution can now be
written in the grid.

Say, Now check
that your solution
(as shown here)
matches the
answer grid
(top right corner).

2	$23 - 20$	3	5
Even	4	1	Double 3
6	4	11	

10

11

6

4

11

1 2 3 4 5 6

2	3	5
4	1	6