

OPERATION SALAMANDER 100

Operation Salamander is a number game which involves using addition, subtraction and multiplication to make numbers up to 100. It is also a scoring game, with more points being given for making the larger numbers!

Age Range: 4th Grade +

Number of players: 1-4

Learning:

- Add, subtract, multiply and divide numbers
- Adding up multiples of 10 for scoring

You will need

- 2-player game: each player needs a set of 12 counters of their own color.
- 3-player game: each player needs a set of 10 counters of their own color.
- 4-player game: each player needs a set of 8 counters of their own color.
- 4 Dice
- A piece of paper and pencil to score with.

Instructions

- Each player starts with a score of zero on their sheet.
- Take turns to throw the dice.
- Use the numbers on the dice and your +, -, x and \div skills to make one of the uncovered numbers on the grid. The digits cannot be put together and must all be used separately.
- Cover the square up with one of your counters. Add the score on to your current score.
- If you can't make any number on one of the uncovered squares, you give the dice to the next player.
- The game finishes either when the board is totally covered up, or when one player uses up all their counters. The winner is the player with the highest score.

Example: If you roll a 1, 3, 4, and a 5 you could cover up:

13 $[1 + 3 + 4 + 5]$, **61** $[5 \times 4 \times 3 + 1]$, **72** $[(5+1) \times 4 \times 3]$, etc.

Variations (if you feel like changing the game!)

- Easier Game: allow numbers to be put together (e.g. with a roll of 5, 2, 3 and 4, you could make 77 by doing $54+23$).
- The winner is the first player to reach a given score e.g. 300 points.
- If you wish to develop subtraction skills, start each player with 300 points. Subtract the amount you place your counter on. The winner is the first player to get to zero (or below).
- If you are playing this game on your own, see how many points you can score in 10 minutes, or see how long it takes you to score 500 points!

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91	92	93	94	95	96	97	98	99	100
81	82	83	84	85	86	87	88	89	90
71	72	73	74	75	76	77	78	79	80
61	62	63	64	65	66	67	68	69	70
51	52	53	54	55	56	57	58	59	60
41	42	43	44	45	46	47	48	49	50
31	32	33	34	35	36	37	38	39	40
21	22	23	24	25	26	27	28	29	30
11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10



10 points



20 points



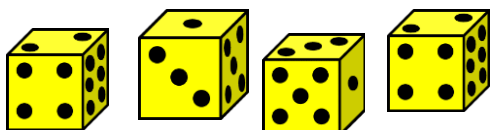
30 points



50 points



100 points



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