

# OPERATION SALAMANDER 25

*Operation Salamander is a number game which involves using addition, subtraction and multiplication to make numbers up to 25. It is also a scoring game, with more points being given for making the larger numbers!*

**Age range:** 2<sup>nd</sup> Grade+

**Number of players:** 1-4

**Learning:**

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

**You will need**

- Each player needs a set of 8 counters of their own color.
- 3 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 ÷ 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 you 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 8 counters. The winner is the player with the highest score.

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

**12** ( $3 + 4 + 5$ ), **7** ( $3 \times 4 - 5$ ), **23** ( $5 \times 4 + 3$ ), etc.

**Variations (if you feel like changing the rules!)**

- Easier Game: allow numbers to be put together (e.g. with a roll of 2, 3 and 4, you could make 21 by doing  $24-3$ ).
- The winner is the first player to reach a given score e.g. 300 points.
- Allow two counters to be placed on each of the numbers on the grid instead of just one.
- 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 300 points!

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21	22	23	24	25
16	17	18	19	20
11	12	13	14	15
6	7	8	9	10
1	2	3	4	5



10 points



20 points



30 points



50 points



100 points



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