

# ★ CATCH THE STARS -10 to 10 ★

*Catch the Stars is a math space game which is designed to get children using their math fact and negative number knowledge in different ways.*

*It is a very good game to get children to think flexibly – many children will see three numbers on a dice and automatically want to add them up. This game teaches children to think about what numbers they could make using their dice roll.*

**Age range:** 4<sup>th</sup> Grade+

**Number of players:** 1-4

**Learning:** Add, subtract, multiply and divide numbers 1 to 6; negative numbers

You will need

- Each player will need a set of their own color counters:
  - o 2 player game – 14 counters each ; 3 player game – 10 counters each
  - o 4 player game – 7 counters each
- Three dice

## Instructions

- Take turns to throw the 3 dice.
- Use the numbers on the dice and your +, -, x and ÷ skills to make one of the numbers on an uncovered star.
- Cover the star up with one of your counters – you have caught it!
- If you can't make a number on one of the uncovered stars, or if you get the answer wrong, you give the dice to the next player.
- The winner is the player who has covered (or 'caught') the most stars when all the stars are covered up.

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

$$-2 [5 - 4 - 3], 2 [3 + 4 - 5], -3 [(4 - 5) \times 3], -7 [5 - (4 \times 3)], \text{ etc.}$$

## Variations

- If you are playing this game on your own, see how many numbers you can cover up in a given time limit.
- Alternative winning strategy: the first player to cover up 4 consecutive numbered stars (e.g. -3, -2, -1 and 0) is the winner.
- Play the game with three eight-sided dice or ten-sided dice brings in a wider range of number skills.
- Score 10 points for a negative-numbered star and 5 points for a positive-numbered star. The winner is the player with the highest score at the end.

# CATCH THE STARS

★-10 TO 10★

Captain Salamander has asked you to catch as many stars as you can for him to put in his rocket. See how many stars you can catch!

