

# SD72 PARENT HOME LEARNING LESSON

## More or Less: A Dice Activity for Grade 3-5

**PURPOSE / SKILL:** To build a better understanding of addition, subtraction, and place value.

**MATERIALS:**

Pencil and paper to create a game board and record information; Dice, or [access to online dice roller](https://rolladie.net/) (<https://rolladie.net/>) ; access to a calculator to help fact check.

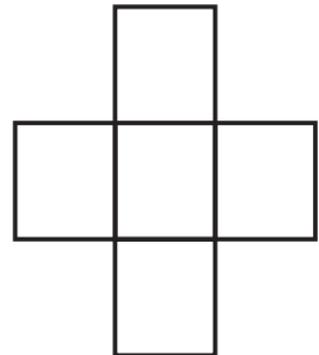
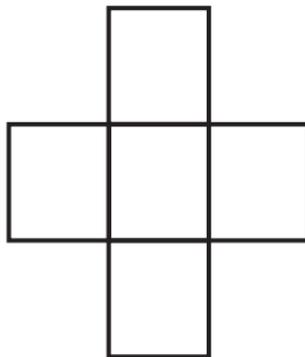
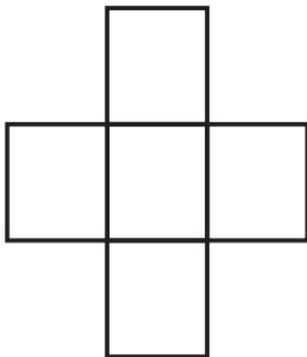
**INSTRUCTIONS:**

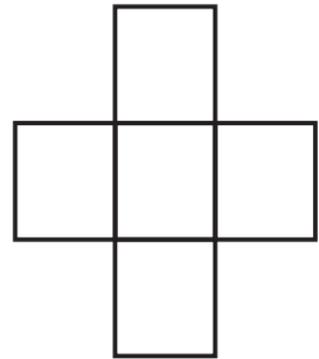
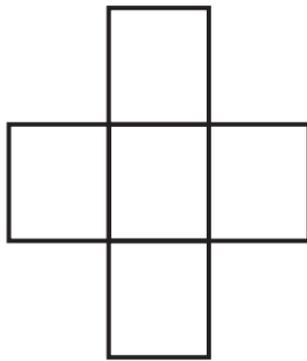
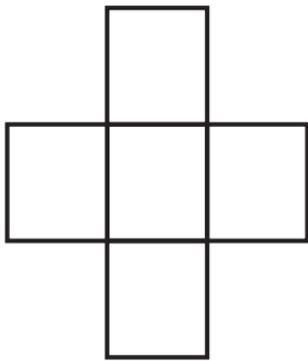
Roll two dice and add them together. Write the number in the middle box of the game board.

Fill in the outside boxes recording the number that is 10 more, 10 less, 1 more and 1 less

**ACTIVITY:**

Activity Board shape:





### POSSIBLE NEXT STEPS:

- Pick a different number to add on - 5 more, 20 more...
- Record numbers that are 10 times more/larger ( $\times 10$ ) than the centre number; 10 times less/smaller ( $\div 10$ )
  - Ask: what do you notice? What if it was 100 times larger? 100 times smaller?
- Record the number that is DOUBLE ( $\times 2$ ) and HALF ( $\div 2$ )
- Use more than one die – add the dice and then put in centre. OR multiply the dice and then put in centre
- Record two sets of numbers that add to make a sum of the centre number; or that multiply to make a product that is the centre number.
- Have someone else create the “rule” and complete the chart – the other player has to investigate to determine what operations occurred to complete the chart.

### FINISHED PRODUCT

Game 1 – Left and Right add and subtract 10; top and bottom add and subtract 1  
 Game 2 – multiply and divide by 10 and by 1

