Grade 2  
Unit 2Lesson 15CC BY NC 2024 Illustrative Mathematics®

Unit 2, Lesson 15

# Does My Estimation Make Sense?

* Let’s decide if estimates make sense.

Grade 2  
Unit 2Lesson 15CC BY NC 2024 Illustrative Mathematics®

## Warm-upTrue or False: Is It Equal?

Decide if each statement is true or false. Be prepared to explain your reasoning.

Grade 2  
Unit 2Lesson 15CC BY NC 2024 Illustrative Mathematics®

## Activity 1Make an Estimate

1. There are 54 apple seeds in a bag. Then 32 more seeds are placed into the bag.

* Mai estimates that there are about 80 seeds now. Does her estimate make sense? Explain your reasoning.

1. Decide if each estimate makes sense. Explain your reasoning to your partner.

* There are 82 corn seeds in a bag. Kiran uses 28 for his art project. How many seeds are left in the bag?
  1. about 100 seeds  
     Does it make sense?
  2. about 60 seeds  
     Does it make sense?
  3. about 50 seeds  
     Does it make sense?

Grade 2  
Unit 2Lesson 15CC BY NC 2024 Illustrative Mathematics®

## Activity 2Does It Make Sense?

Are the estimates for each problem too high, too low, or about right? Create your own estimates for the last problem. Show your thinking using objects, drawings, numbers, or words.

1. Tyler starts a game with 54 seeds. Lin captures 25 of his seeds. How many seeds does Tyler have now?

* about 60 seeds  
  about 80 seeds  
  about 30 seeds  
  about 8 seeds

|  |  |  |
| --- | --- | --- |
| * too low | * about right | * too high |
|  |  |  |

1. Jada collects 24 apple seeds and 42 orange seeds. Then she collects 21 sunflower seeds. How many seeds does she have in all?

* about 80 seeds  
  about 40 seeds  
  about 120 seeds  
  about 50 seeds

|  |  |  |
| --- | --- | --- |
| * too low | * about right | * too high |
|  |  |  |

1. Diego starts a game with 25 seeds. He captures 24 seeds. Then he captures 27 more. How many seeds does Diego have now?

* Record an estimate that would be “too high,” “too low,” and “about right.”

|  |  |  |
| --- | --- | --- |
| * too low | * about right | * too high |
|  |  |  |