

## Objective

By the end of this lesson, the student will be able to apply arithmetic skills in a fun and engaging way using the theme of Pets in Minecraft.

## Materials and Prep

- Minecraft game (with Pets mod, if available)
- Paper and pencil
- Calculator (optional)

Prior knowledge of basic addition and subtraction is recommended.

## Activities

1. Create a list of different types of pets available in Minecraft. Assign each pet a value, such as 5 for a dog, 10 for a cat, and 15 for a horse.
2. Ask the student to choose a certain number of pets from the list and calculate the total value of their chosen pets. For example, if they choose a dog, two cats, and a horse, they would need to calculate  $5 + 10 + 10 + 15 = 40$ .
3. Challenge the student to create word problems related to pets in Minecraft. For instance, they could write a problem like, "If I have 3 dogs and each dog costs 5 bones to feed, how many bones do I need in total?"
4. Encourage the student to design a pet store in Minecraft. They can assign prices to different pets and calculate the total cost of buying multiple pets.

## Second Grade Talking Points

- "Pets can be really fun to have in Minecraft, just like in real life!"
- "Different pets have different values. For example, a dog is worth 5, a cat is worth 10, and a horse is worth 15."
- "When we want to know the total value of our pets, we add up their individual values. It's like counting how many points they are worth."
- "We can use addition to find the total value of the pets we choose. For example, if we have a dog worth 5 and a cat worth 10, we add  $5 + 10$  to find the total value of our pets."
- "We can also create word problems about pets in Minecraft. These problems help us practice our math skills while having fun with our favorite game!"
- "If you want to open a pet store in Minecraft, you can assign prices to different pets and calculate the total cost of buying multiple pets. This helps us practice our multiplication skills!"