

**Student Name:** \_\_\_\_\_

**Class:** \_\_\_\_\_

**Due Date:** \_\_\_\_\_

### Introduction

Welcome to our fun learning adventure! In this homework assignment, we will explore pre-number concepts, such as long-short, tall-short, heavy-light, and near-far, while introducing basic motion concepts. Our goal is to have fun while learning and developing critical thinking and problem-solving skills.

Long-Short, Tall-Short

- Sort and categorize different objects in your room or outside into long and short categories.
- Draw a picture of your favorite long object and your favorite short object.
- Write or dictate a short sentence about why you chose each object.

Activity 1: Long-Short Sorting

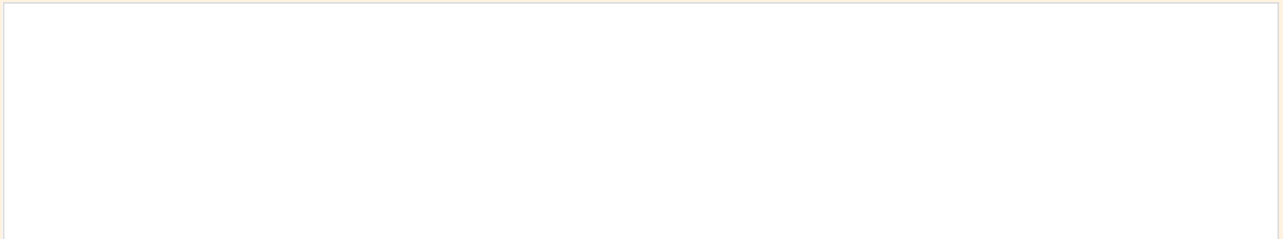
**Object    Long or Short**

Pencil

Book

Chair

Paper Clip



### Heavy-Light Exploration

- Gather various objects with different weights, such as a book, a toy car, and a pillow.
- Compare and contrast the weights of the objects by lifting them or using a simple balance scale.
- Create a simple graph or chart to show which objects are heavy and which are light.

### Activity 2: Heavy-Light Graph

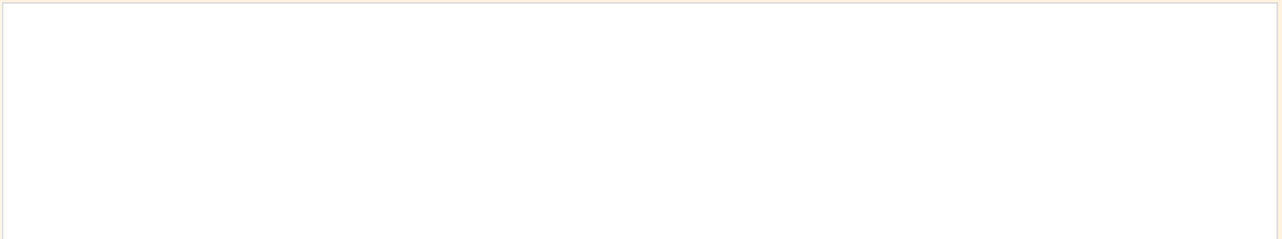
Object	Heavy or Light
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Book	
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Toy Car	
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Pillow	
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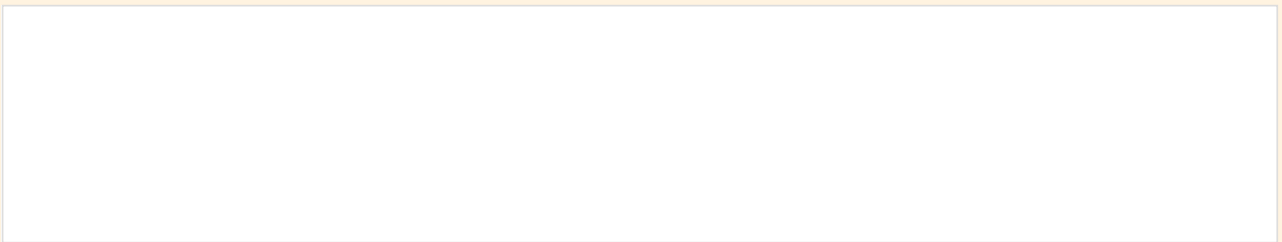
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### Near-Far Movement

- Play a game of "Simon Says" or "Red Light, Green Light" to practice moving towards or away from a target.
- Draw a picture of yourself moving from near to far or from far to near.
- Write or dictate a short story about a time when you moved from one place to another.

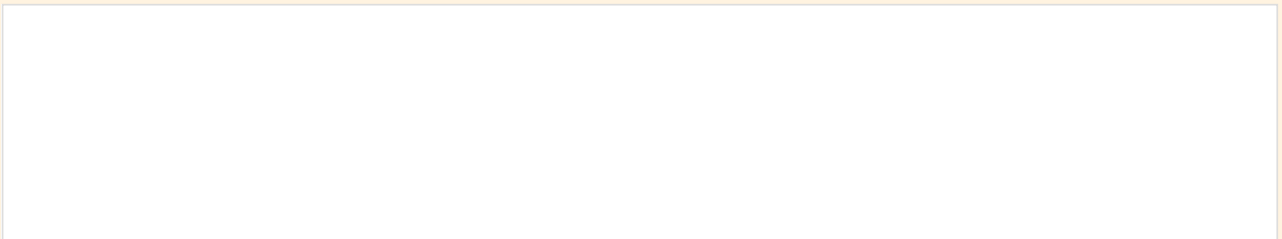
### Activity 3: Near-Far Drawing

A large, empty rectangular box with a thin grey border, intended for a drawing activity. It is positioned within a light orange rectangular area that also contains the section header.

### Motion Exploration

- Watch a simple video or animation that demonstrates basic motion concepts, such as a ball rolling or a toy car moving.
- Discuss with a grown-up what you observed and what you think might happen if you pushed or pulled an object.
- Draw a picture of an object in motion and label its different parts.

### Activity 4: Motion Drawing

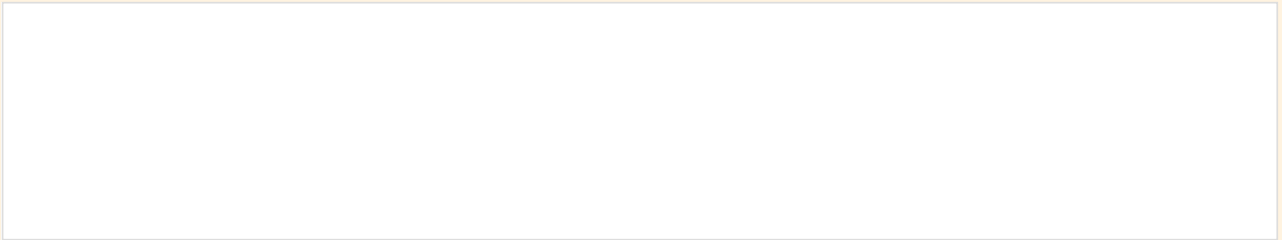
A large, empty rectangular box with a thin black border, intended for a student to draw an object in motion and label its parts.

## Extension Activity 1

### Obstacle Course

- Create a simple obstacle course using household items, such as couch cushions, chairs, and blankets.
- Test and experiment with different ways to move through the obstacle course, such as crawling, walking, or jumping.
- Record your results and draw a picture of your favorite part of the course.

### Activity 5: Obstacle Course Drawing

A large, empty rectangular box with a thin black border, intended for a drawing of an obstacle course.

## Extension Activity 2

### Pre-Number Concepts Scavenger Hunt

- Create a list of pre-number concepts, such as long, short, tall, heavy, light, near, and far.
- Search and find objects in your home or outside that match each concept.
- Take pictures or draw the objects you find and create a simple book or poster.

### Activity 6: Scavenger Hunt List

Concept	Object
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Long	
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Short	
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Tall	
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Heavy	
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Light	
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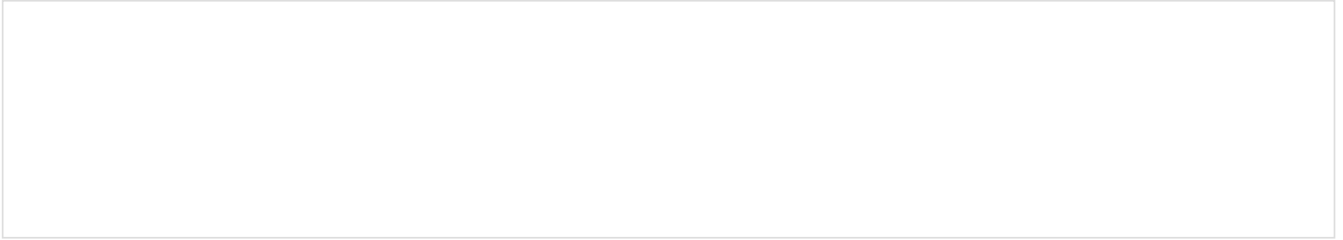
Near	
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Far	
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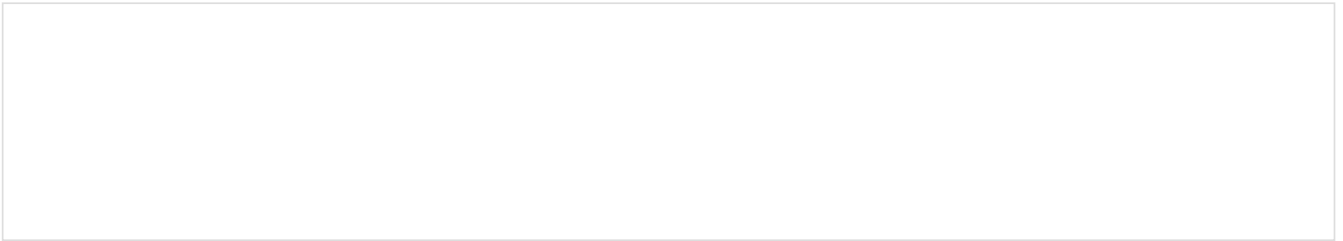
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## Reflection

Write or dictate a short reflection about what you learned from this assignment.



Draw a picture of your favorite activity.



### Supporting Your Child's Learning

- Encourage your child to take their time and have fun with the activities.
- Provide support and guidance when needed, but also allow your child to think critically and solve problems independently.
- Discuss and review the activities with your child, asking open-ended questions to promote deeper understanding and reflection.

## Conclusion

Congratulations! You have completed the introduction to pre-number concepts and motion assignment! We hope you had fun exploring and learning about these new concepts. Remember to always keep practicing and learning, and don't hesitate to ask for help when you need it.