## **Math Activities**

The Heads In, Hearts In family enrichment program encourages families to use their minds (putting their "heads in") as a tool to expand their knowledge around a variety of topic areas. By creating a shared educational experience, the family unit will work, grow and learn together, putting their "hearts in" to the process.



#### This unit contains the following:

- ▶ 3D Shapes
- Eggs-cellent Counting
- Guess Which Shape
- Gumball Equations
- Hungry Hedgehogs
- Marshmallow Structures
- Measure a Room
- ▶ Measurement Equivalents
- Measuring Liquids
- ▶ Photo-Graph
- Pie Die
- Skippy Clippy
- Spinner Math
- Stories Math
- Time: Before and After
- ▶ Twisting Place Values

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# HEADS IN, HEARTS IN

## **Time: Before and After**





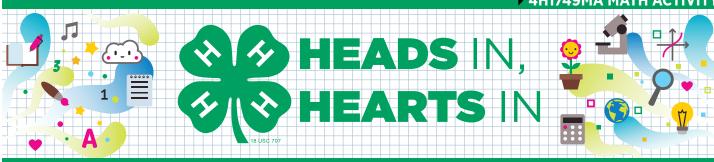
### **Supplies**

- ☐ "Guide for Families" handout
- ☐ Clear plastic standup display (optional)
- ☐ "Before and After" handout (one per participant or family)
- ☐ "Clock" handout
- □ Scissors
- ☐ Dry-erase crayons or dry-erase markers
- ☐ Soft cloth to erase dry-erase crayon or dry-erase marker
- □ Display table

### **Activity Preparation**

- ▶ Purchase or locate items on supply list.
- Print one copy of the "Guide for Families" handout. Laminate or place in a clear plastic standup display to allow participants to see it more readily.
- Print one copy of the "Before and After" handout per participant or family. Laminate or place in a clear sheet.
- ▶ Print at least one copy of the "Clock" handout on durable paper or laminate. Cut the clocks apart.
- ▶ Set up the display table and arrange needed supplies.





### **Guide for Families**

### **Learning Objectives**

#### What you need to know:

Telling time is an important skill to learn. It's also important to successfully identify periods of time before and after a set time. You'll be able to know if you're running late, have extra time or be right on time.

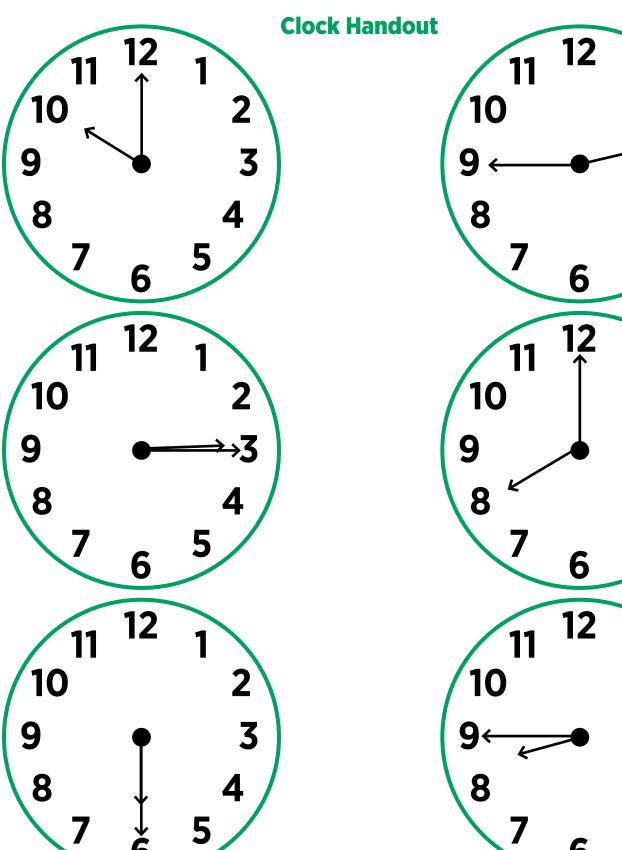
#### What you will do and learn:

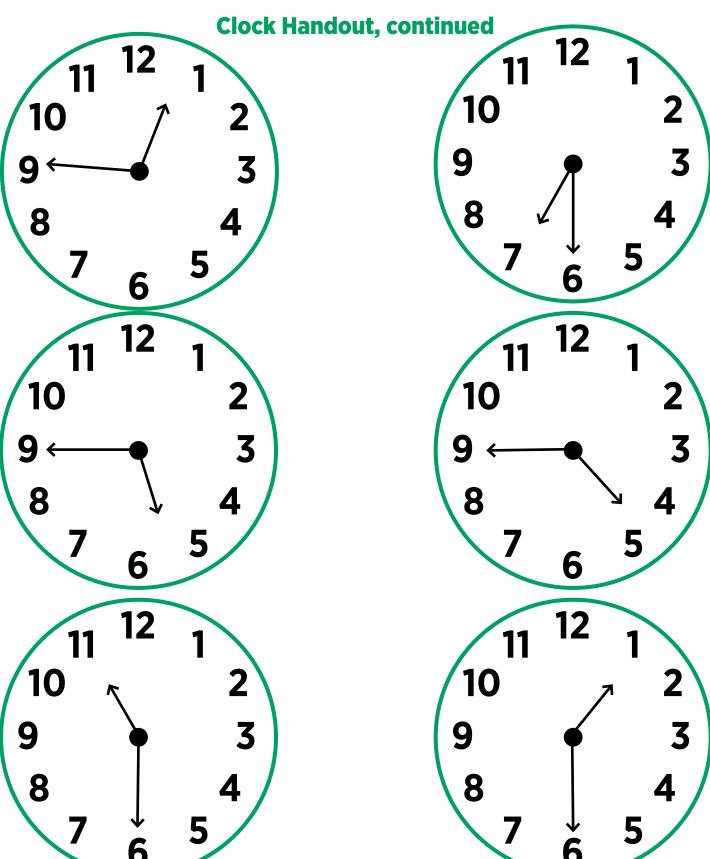
This activity will help you practice telling time. In this activity, you'll identify what time it is and then discover what time it is 15 minutes, 30 minutes, 45 minutes and I hour before and after that time.

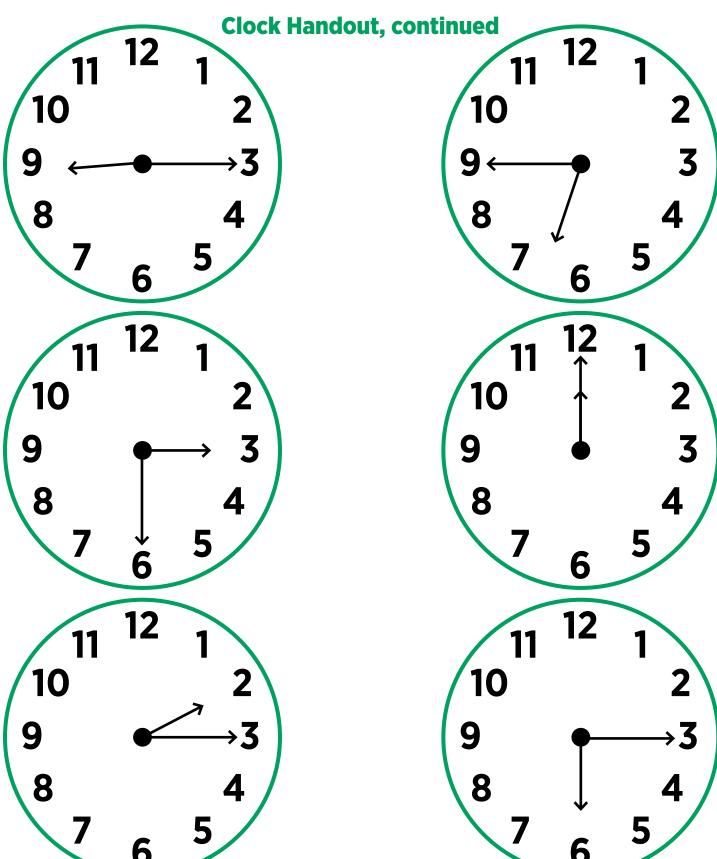
#### **Instructions**

- 1. Take a "Before and After" handout.
- 2. Choose a clock from the table and place it in the center of the "Before and After" handout.
- 3. Using a dry-erase crayon or dry-erase marker, on the left, draw the time before the time on the clock. (The "Before and After" handout will tell you which amount of time to choose: 15 minutes, 30 minutes, 45 minutes or 1 hour.). Write the time below the clock such as 8:00.
- 4. Using a dry-erase crayon or dry-erase marker, on the right, draw the time after the time on the clock. (The "Before and After" handout will tell you which amount of time to choose: 15 minutes, 30 minutes, 45 minutes or 1 hour.) Write the time below the clock such as 9:00.
- **5.** Erase your answer.
- **6.** Choose a new clock or choose a new "Before and After" handout.

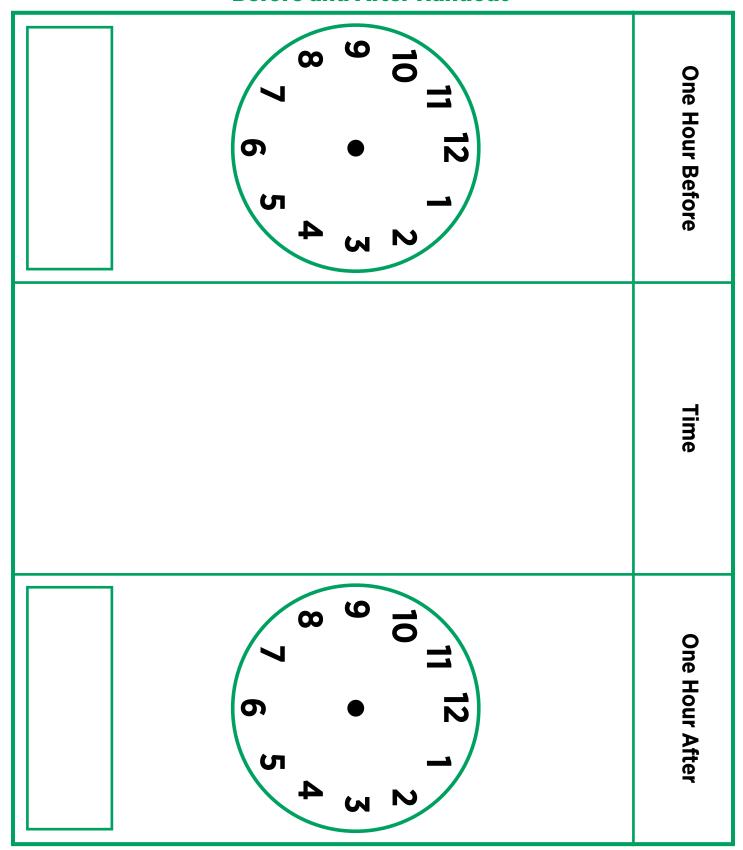




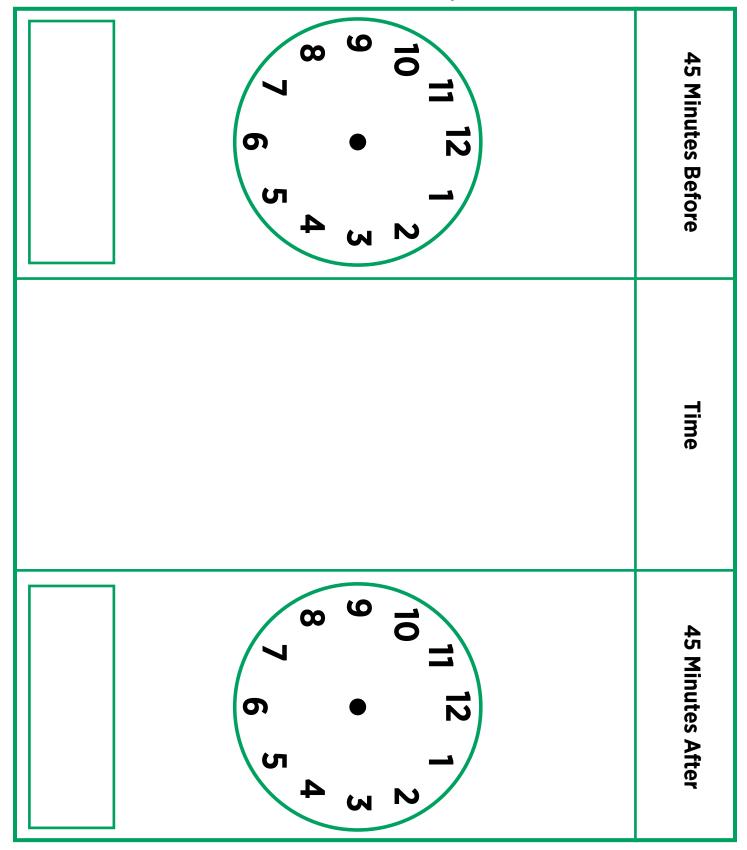




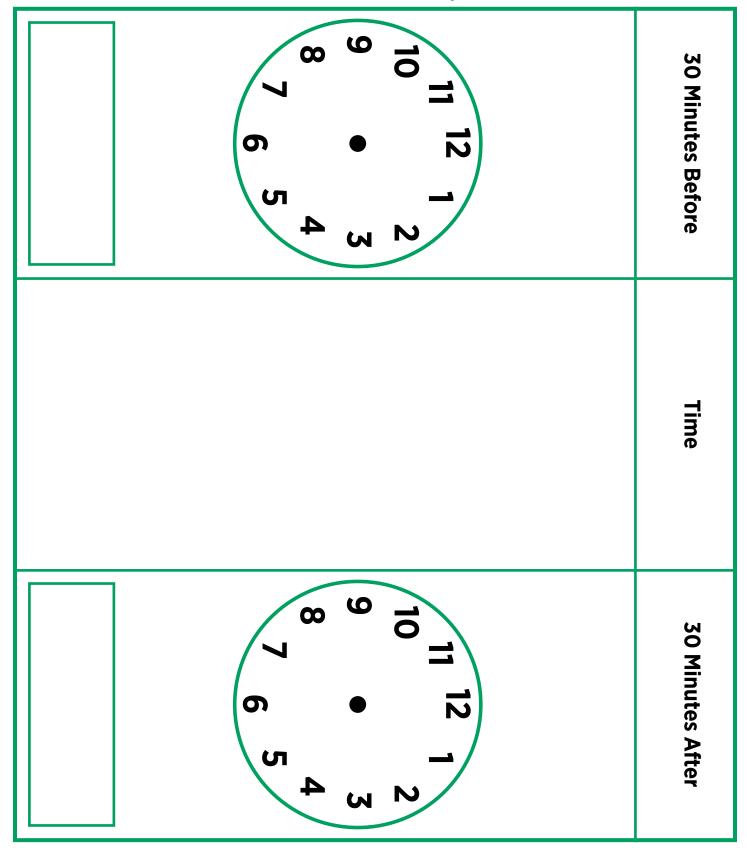
### **Before and After Handout**



**Before and After Handout, continued** 



**Before and After Handout, continued** 



**Before and After Handout, continued** 

