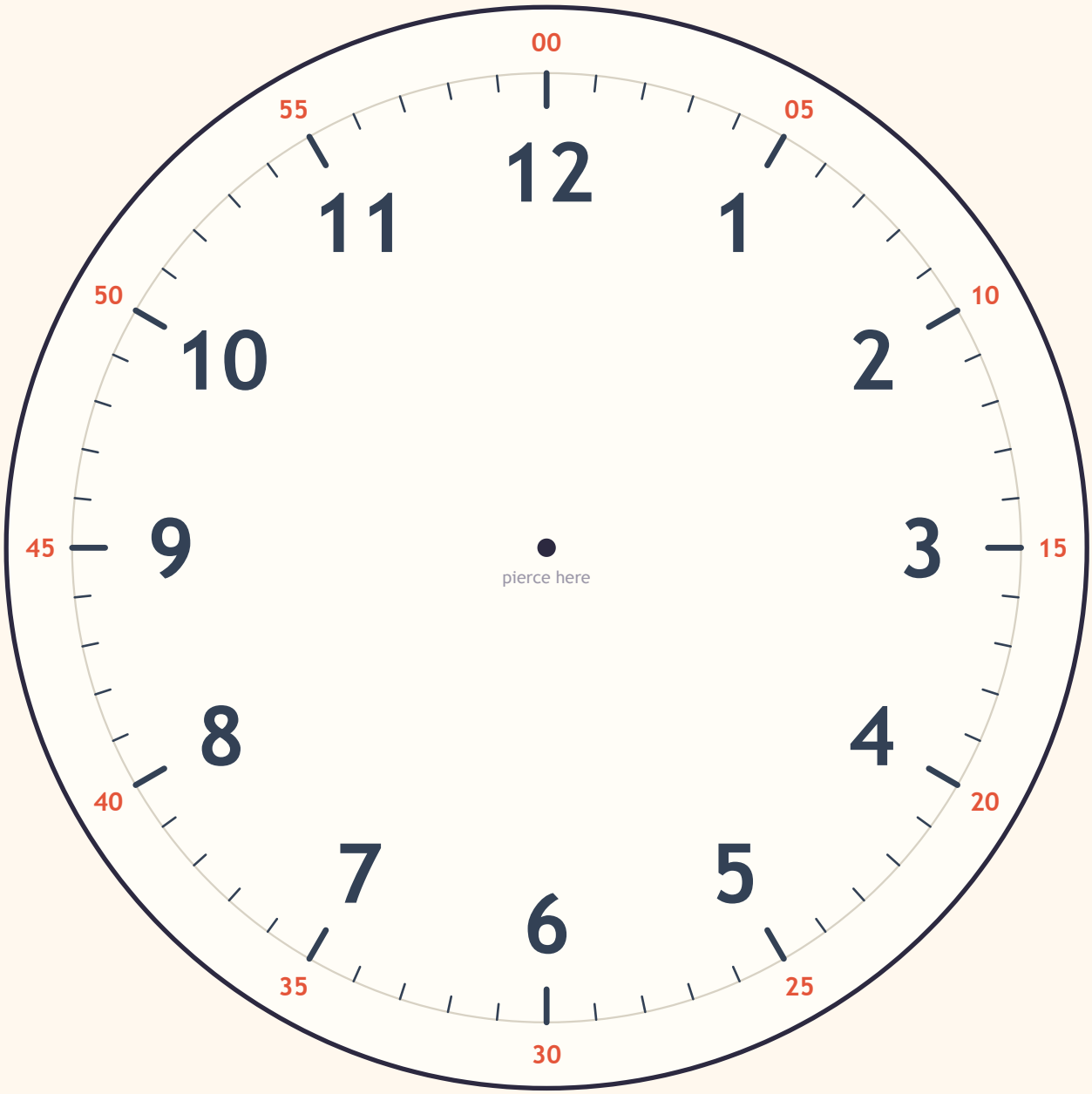
STEM Little Explorers

Make Your Own Clock

Print it, cut it out, decorate it your way and pin it together. Ages 4+.

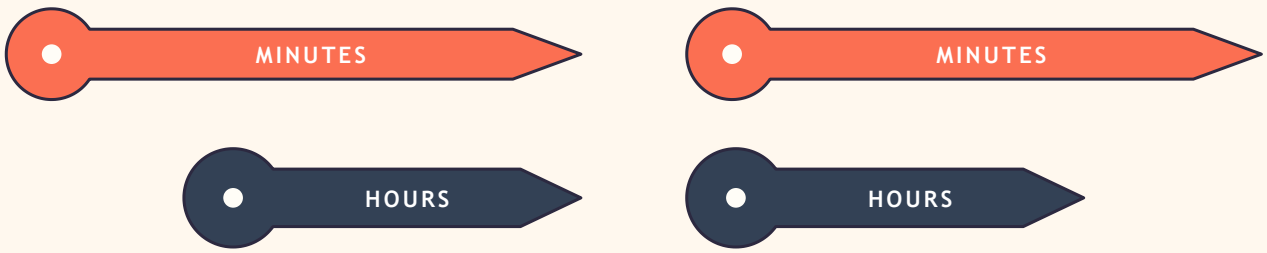
The clock face

✂ cut along the outer circle



● Dark numbers: hours (short hand) ● Orange numbers: minutes (long hand)

The hands: cut out one pair (the second pair is a spare)



Full guide + interactive clock: stemlittleexplorers.com/en/make-cardboard-clock-learn-tell-time

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How to put it together

1. Print page 1 on thick paper if you can, or glue it onto thin cardboard, like a cereal box.
2. Cut out the clock face along the outer circle, then cut out one short hour hand and one long minute hand.
3. Make it yours: color the face and draw your own symbols next to 12, 3, 6 and 9, like a house, a heart, a cloud and a sun.
4. Ask an adult to poke a small hole through the center dot of the face and the dot on each hand.
5. Stack the face, then the short hour hand, then the long minute hand on top. Push a split pin (paper fastener) through all three and open its legs at the back, loose enough for the hands to turn.
6. Check: at 12 o'clock, both hands point straight up to the 12.

How to read your clock

- The short, dark hand shows the hour. Read the dark number it points to, or the one it has just passed.
- The long, orange hand shows the minutes. Read the orange number next to it: the minutes count in fives.



3:00
3 o'clock



3:15
quarter past 3



3:30
half past 3



3:45
quarter to 4

Look closely at half past: the short hand sits halfway between two numbers.

My day

Draw the hands to show when you do these things.



I wake up



I have lunch



I go to bed

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Practice: Tell the Time

Name: _____

1. Draw the hands

Draw a short hour hand and a long minute hand to show each time.



2:00



7:00



4:30



9:30



6:15



11:45

2. What time is it?

Write the time under each clock.



_____ : _____



_____ : _____



_____ : _____



_____ : _____



_____ : _____



_____ : _____

Answers to part 2: 5:00 · 8:30 · 1:15 · 10:45 · 6:20 · 2:50

Full guide + interactive clock: stemlittleexplorers.com/en/make-cardboard-clock-learn-tell-time