

Analog and digital time

CURRICULUM ALIGNMENT

MEA.TIM.3b identify the relationship between different units and representations of time.

INTERACTIVES Analog Clock Builder · challenge, display, explore

WHAT THIS LESSON TEACHES

The short hand on a round clock points to the hour and the long hand points to the minutes. The same time can be read from the hands or written as numbers on a digital screen.

→ Half past 2 has the long hand straight down and is written 2:30.

→ Quarter to 5 shows as 4:45 on a digital screen.

MODEL THIS ON THE BOARD

READING HALF PAST 2 BOTH WAYS

- 1 Look at the long hand. It points straight down at the 6.
- 2 Look at the short hand. It sits halfway between 2 and 3.
- 3 The hands show half past 2.
- 4 Write the matching digital time as 2:30.

ANSWER KEY

Scaffold: visual check on the page

Q1: 7:30

Q2: 3:15

Q3: 6:30

Q4: 4:45

Q5: short hand just past 8; long hand on 2

Spot: Ten to 8 means 10 minutes ****before**** 8:00, so the hour is still 7. The correct digital time is ****7:50****.

EXTENSION SHEET · STRETCH ANSWERS

S1: 12:35 pm ↔ 12:35

S2: 3:35 pm ↔ 15:35

S3: 10:15 pm ↔ 22:15