

Fractions and decimals review

WHAT THIS LESSON TEACHES

The bottom number tells how many equal parts the whole was cut into; the top number tells how many of those parts we mean. Fractions and decimals are two ways to name the same parts of a whole.

- One third means the whole cut into 3 equal parts, one part taken.
- One half is 0.5; one quarter is 0.25; three tenths is 0.3.

MODEL THIS ON THE BOARD

FIND ONE THIRD OF 6

- 1 Draw 6 dots to show the whole amount.
- 2 Share the dots into 3 equal groups (bottom number is the groups).
- 3 Count one group: it has 2 dots so one third of 6 is 2.

DISCUSSION STARTER

REFLECT Which model helped you most today — strips, number lines, or grids?

ANSWER KEY

Scaffold: visual check on the page

Q1: 2

Q2: 5

Q3: 6

a) Always — This is exactly what the denominator shows.

b) Always — One half equals five tenths which is written 0.5.

c) Sometimes — It is true for 8 but not for every whole, such as 12.

d) Always — A larger top number means more of the equal parts are taken.

EXTENSION SHEET · STRETCH ANSWERS

S1: $4.8 < 7.32 < 9.84$

S3: $5.9 < 9.84$

S2: $7 > 4.88$