

Lesson 27 **NUMBER****Equivalent fractions and simplest form**

WHAT THIS LESSON TEACHES

Fractions that name the same amount even though the top and bottom numbers look different. To simplify divide top and bottom by the same number until they cannot go any smaller.

→ $2/4$, $3/6$ and $4/8$ all show exactly half of a pizza.

→ $8/12$ simplifies to $2/3$ once you divide top and bottom by 4.

MODEL THIS ON THE BOARD

SIMPLIFY ON THE FRACTION STRIP

- ① Start with $8/12$ and shade eight twelfths on the strip.
- ② Divide top and bottom by 4 to reach the simplest form $2/3$.
- ③ Check the strip reaches the same length as two thirds.

ANSWER KEY

Scaffold: visual check on the page

Q1: $2/5$

Q2: $5/6$

Q3: $5/7$

Q4: $3/5$

Q5: $3/7$

Q6: $7/9$

a) **Always** — They name the same amount after dividing by 4.

b) **Never** — Simplest form fractions cannot be divided further.

c) **Always** — Both equal one half after simplifying.

d) **Always** — 15 and 20 share the common factor 5.

EXTENSION SHEET · STRETCH ANSWERS

S1: $18/24 = 3/4$

S2: $15/20 = 3/4$

S3: $27/30 = 9/10$

S4: $72 (9/10 = 72/80)$

S5: $21 (3/4 = 21/28)$