

Comparing two fractions

WHAT THIS LESSON TEACHES

To compare two fractions with **different denominators**, rewrite them both with the **same** denominator, then compare numerators.

→ **1/3** vs **2/5**: rewrite as **5/15** and **6/15**. 6/15 is bigger, so $2/5 > 1/3$.

→ **3/4** vs **5/8**: rewrite $3/4$ as **6/8**. $6/8 > 5/8$, so $3/4$ is bigger.

ANSWER KEY

a) $1/3 < 2/5$ ($1/3 \approx 0.33$, $2/5 = 0.4$).

b) $3/4 > 5/8$ ($3/4 = 6/8 > 5/8$).

Q1: $1/12 < 7/12 < 3/4$

Q2: $1/5 < 3/4 < 7/8$

Q3: $1/12 < 1/8 < 7/12 < 3/4$

Q4: $1/5 < 3/4 < 7/8 < 11/12$

EXTENSION SHEET · STRETCH ANSWERS

S1: $1/8 < 2/5 < 7/10 < 9/10$

S2: $2/5 < 7/8 < 11/12$

S3: $2/5 < 7/10 < 9/10$