

Fraction-decimal-percentage equivalence mastery

WHAT THIS LESSON TEACHES

The same amount written three ways - as a fraction, a decimal and a percentage. The value never changes; only the way we write it down does.

→ $7/10 = 0.7 = 70\%$ all describe the same amount of shopping.

→ $3/4$ means 3 divided by 4 = 0.75.

MODEL THIS ON THE BOARD

CONVERT 7/10 TO DECIMAL AND PERCENT

- ① Divide 7 by 10 to get the decimal 0.7.
- ② Multiply 0.7 by 100 to get the percentage 70%.

ANSWER KEY

Scaffold: visual check on the page

Q1: $0.7 = 70\%$

Q2: $0.25 = 25\%$

Q3: $1/2 = 50\%$

Q4: $0.375 = 37.5\%$

Q5: $4/5 = 80\%$

a) **Always** — The three forms show exactly the same amount.

b) **Always** — Any fraction has an equivalent decimal and percentage.

c) **Never** — It depends on the situation which form is easiest.

d) **Always** — They are equivalent representations of the same value.

EXTENSION SHEET · STRETCH ANSWERS

S1: 17 squares (17% of $100 = 17$)

S2: 210

S3: 480

S4: 64% (64 out of 100)