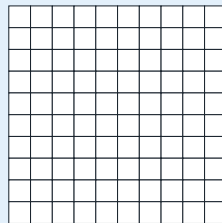


Fractions, decimals and percentages review

WHAT THIS LESSON TEACHES

Bring the three forms together: **convert, compare and calculate** with fractions, decimals and percentages in real situations.



→ Which is bigger: $\frac{3}{5}$, 0.62 or 58%? Convert all to decimals to decide.

DISCUSSION STARTER

REFLECT Where in real life do you meet fractions, decimals or percentages most?

ANSWER KEY

Warm-up: a) $75\% = \frac{3}{4} = 0.75$ b) $0.75 = \frac{3}{4} = 75\%$ c) $10\% = \frac{1}{10} = 0.1$ d) $20\% = \frac{1}{5} = 0.2$

Q1: 17/30

Q2: 15 ($\frac{3}{4} = \frac{15}{20}$)

a) **Sometimes** — Only proper fractions; $\frac{5}{4}$ is more than 1.

b) **Always** — Three ways of writing one half.

c) **Never** — $\frac{1}{8}$ is smaller than $\frac{1}{2}$ — more pieces means smaller pieces.

d) **Sometimes** — 150% means one and a half times the whole.

e) **Always** — Halving and $\times \frac{1}{2}$ are the same operation.

f) **Sometimes** — One reliable way — you could also convert both to decimals.

EXTENSION SHEET · STRETCH ANSWERS

S1: $0.75 = \frac{3}{4} = 75\%$

S2: 57

S3: $\frac{25}{18}$

S4: $75\% = \frac{3}{4} = 0.75$

S5: €170