

Converting decimals to fractions

WHAT THIS LESSON TEACHES

Read the decimal's place value to write it as a fraction over 10, 100 or 1000, then **simplify**.

U	t	h

→ $0.6 = 6/10 = 3/5$.

→ $0.25 = 25/100 = 1/4$.

MODEL THIS ON THE BOARD

WRITE 0.35 AS A FRACTION IN SIMPLEST FORM

① 0.35 is **35 hundredths** → $35/100$.

② Divide top and bottom by 5: **$7/20$** .

ANSWER KEY

a) 0.5: $1/2$

b) 0.25: $1/4$

c) 0.2: $1/5$

d) 0.75: $3/4$

e) 0.6: $3/5$

Q1: $75\% = 3/4 = 0.75$

Q2: $0.75 = 3/4 = 75\%$

Q3: $3/5 = 0.6 = 60\%$

Q4: $0.75 = 3/4 = 75\%$

EXTENSION SHEET · STRETCH ANSWERS

S1: $75\% = 3/4 = 0.75$

S2: $20\% = 1/5 = 0.2$

S3: $3/5 = 0.6 = 60\%$