

Lesson 21 **NUMBER****Dividing decimals in context**

WHAT THIS LESSON TEACHES

When dividing a decimal by a whole number, **keep the decimal points lined up** and divide as usual.

Share these amounts equally



→ $7.5 \div 5 = 1.5$.

→ Sharing €9.60 between 4 → **€2.40** each.

MODEL THIS ON THE BOARD

SHARE €9.60 EQUALLY BETWEEN 4

$$\begin{array}{r} 2.40 \\ 4 \overline{) 9.60} \end{array}$$

- 1 Keep the decimal point lined up and divide as usual.
- 2 $9 \div 4 = 2 \text{ r } 1$; $16 \div 4 = 4$; $0 \div 4 = 0$ → **€2.40** each.

ANSWER KEY

Warm-up: a) 32 b) 49 c) 37 d) 15

Q1: 72

Q3: 686.9

Q2: 48 is composite — it can be divided evenly by 2 (so 1 and 48 are not its only factors).

Q4: 983.4

EXTENSION SHEET · STRETCH ANSWERS

S1: 852.8

S4: 185

S2: 196

S5: 150

S3: 129