

FOUNDATION PERCENTAGES & DECIMALS

Mastery Worksheet

I DO**1.**

(a) Write 8% as a decimal.

(b) Write $\frac{3}{5}$ as a percentage.

(c) Write these decimals in order of size. Start with the smallest decimal: 0.62, 0.06, 0.602, 0.26, 0.6

WE DO**2.**

(a) Write 12% as a decimal.

(b) Write $\frac{7}{10}$ as a percentage.

(c) Write these decimals in order of size. Start with the smallest decimal: 0.45, 0.04, 0.405, 0.54, 0.4

YOU DO 1**3.**

(a) Write 5% as a decimal.

(b) Write $\frac{3}{4}$ as a percentage.

(c) Write these decimals in order of size. Start with the smallest decimal: 0.81, 0.08, 0.801, 0.18, 0.8

YOU DO 2**4.**

(a) Write 35% as a decimal.

(b) Write $\frac{9}{20}$ as a percentage.

(c) Write these decimals in order of size. Start with the smallest decimal: 0.34, 0.03, 0.304, 0.43, 0.3

CHALLENGE 1**5.**

- (a) Write 125% as a decimal.
- (b) Write $\frac{17}{25}$ as a percentage.
- (c) Write these numbers in order of size, starting with the smallest: $\frac{3}{5}$, 0.62, 58%, 0.605

CHALLENGE 2**6.**

- (a) Write 0.45% as a decimal.
- (b) Write $\frac{11}{8}$ as a percentage.
- (c) Write these numbers in order of size, starting with the smallest: $\frac{7}{8}$, 0.86, 85.5%, 0.875

ANSWERS & WORKED SOLUTIONS**1 (I Do)**

- (a) 0.08
- (b) 60%
- (c) 0.06, 0.26, 0.6, 0.602, 0.62

2 (We Do)

- (a) 0.12
- (b) 70%
- (c) 0.04, 0.4, 0.405, 0.45, 0.54

3 (You Do 1)

- (a) 0.05
- (b) 75%
- (c) 0.08, 0.18, 0.8, 0.801, 0.81

4 (You Do 2)

- (a) 0.35
- (b) 45%
- (c) 0.03, 0.3, 0.304, 0.34, 0.43

5 (Challenge 1)

- (a) 1.25
- (b) 68%
- (c) 58%, 0.605, $\frac{3}{5}$ (0.6), 0.62

6 (Challenge 2)

- (a) 0.0045
- (b) 137.5%
- (c) 85.5%, 0.86, $\frac{7}{8}$ (0.875), 0.875 (all equal or properly compared)