

Self Exercise 2.

Intensive mathematics (PBM1035)

Done 13/12/17

1. Convert the following fraction to decimal

a) $\frac{63}{100}$

= 0.63 ✓

b) $\frac{6}{10}$

= 0.6 ✓

c) $\frac{89}{100}$

= 1.89 ✓

d) $3 \frac{23}{1000}$

= 3.023 ✓

2. Convert the following fraction to percent.

a) $\frac{56}{100} \times 100\%$

= 56% ✓

b) $\frac{79}{10} \times 100\%$

= 790% ✓

c) $\frac{135}{1000} \times 100\%$

= 13.5% ✓

d) $\frac{56}{10} \times 100\%$

= 560% ✓

3. Convert the following decimal to percents.

a) 2.9

= 2 + 0.9

= 2 + $\frac{9}{10}$ ✓

= 2 $\frac{9}{10}$ ✓

b) 0.04

= $\frac{4}{100} \times 100$

= 4% ✓

c) 5.2

= 5 + 0.2

= 5 + $\frac{2}{10}$

= 5 $\frac{2}{10}$ = $\frac{52}{10}$

d) 0.5

= $\frac{5}{10} \times 100$

= 50% ✓

Wrong question

4. Convert the following decimal to fractions.

a) 1.6

= 1.6 + 1.06

= 1 + $\frac{6}{10}$

= 1 $\frac{6}{10}$

Simplify!
= $1 \frac{3}{5}$

b) 3.5

= 3 + 0.5

= 3 + $\frac{5}{10}$

= 3 $\frac{5}{10}$

= $3 \frac{1}{2}$

c) 0.03

= $\frac{3}{100}$ ✓

d) 0.5

= $\frac{5}{10}$ = $\frac{1}{2}$

Simplify

5.) convert the following percents to fractions

a) 2%

$$= \frac{2}{100} = \frac{1}{50}$$

$$= \frac{2}{100} = \frac{1}{50}$$

b) 15%

$$= \frac{15}{100}$$

$$= \frac{3}{20}$$

c) 49%

$$= \frac{49}{100}$$

d) 31%

$$= \frac{31}{100}$$

6.) convert the following percents to decimal

a) 22%

$$= \frac{22}{100}$$

$$= 0.22$$

b) 40%

$$= \frac{40}{100}$$

$$= 0.4$$

c) 5%

$$= \frac{5}{100}$$

$$= 0.05$$

d) 44%

$$= \frac{44}{100}$$

$$= 0.44$$