

## Decimals and Percentages Part 3

### Exercise Worksheet 4.3 Solutions

1. Convert the following fractions to decimal numbers:

$$\text{i.} \quad 287.2718 \quad / \quad 1000 \quad = \quad 0.2872718$$

$$\text{ii.} \quad 216.8816 \quad / \quad 10 \quad = \quad 21.68816$$

$$\text{iii.} \quad 999.7098 \quad / \quad 100 \quad = \quad 9.997098$$

$$\text{iv.} \quad 605.4458 \quad / \quad 1000 \quad = \quad 0.6054458$$

$$\text{v.} \quad 94.9999 \quad / \quad 10 \quad = \quad 9.49999$$

$$\text{vi.} \quad 598.8712 \quad / \quad 100 \quad = \quad 5.988712$$

$$\text{vii.} \quad 263.016 \quad / \quad 1000 \quad = \quad 0.263016$$

$$\text{viii.} \quad 480.1425 \quad / \quad 10 \quad = \quad 48.01425$$

$$\text{ix.} \quad 291.9819 \quad / \quad 100 \quad = \quad 2.919819$$

$$\text{x.} \quad 308.054 \quad / \quad 1000 \quad = \quad 0.308054$$

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2. Convert the following fractions to decimal numbers:

$$\text{i.} \quad 47016.16 \quad / \quad 16 \quad = \quad 2938.51$$

$$\text{ii.} \quad 76723.724 \quad / \quad 28 \quad = \quad 2740.133$$

$$\text{iii.} \quad 22739.782 \quad / \quad 26 \quad = \quad 874.607$$

$$\text{iv.} \quad 13126.225 \quad / \quad 7 \quad = \quad 1875.175$$

$$\text{v.} \quad 107905.446 \quad / \quad 27 \quad = \quad 3996.498$$

$$\text{vi.} \quad 29207.864 \quad / \quad 8 \quad = \quad 3650.983$$

$$\text{vii.} \quad 70343.91 \quad / \quad 21 \quad = \quad 3349.71$$

$$\text{viii.} \quad 13394.82 \quad / \quad 20 \quad = \quad 669.741$$

$$\text{ix.} \quad 15830.448 \quad / \quad 24 \quad = \quad 659.602$$

$$\text{x.} \quad 12752.32 \quad / \quad 8 \quad = \quad 1594.04$$

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3. Solve the following and give your answer as a decimal:

i.  $127880.923 \div 2.9 = 44096.87$

ii.  $26877.776 \div 1.6 = 16798.61$

iii.  $40254.753 \div 2.1 = 19168.93$

iv.  $103721.448 \div 2.4 = 43217.27$

v.  $16693.101 \div 2.3 = 7257.87$

vi.  $48635.98 \div 2 = 24317.99$

vii.  $27358.884 \div 2.8 = 9771.03$

viii.  $38594.24 \div 2 = 19297.12$

ix.  $84773.376 \div 1.8 = 47096.32$

x.  $45403.844 \div 1.9 = 23896.76$