

## Arithmetic

1.  $9 \times 4 \times 6$ 2.  $\frac{7}{8}$  of 723.  $6.8 + 9.5$ 4.  $2,100 \div 4$ 

## Practice: Thousandths as Decimals

5. Recap: Explain what the difference is between thousandths and thousands.



6. Convert these to fractions.

a. 0.374      b. 0.401      c. 0.046

7. Convert these to fractions over 1,000.

a. 0.28      b. 0.63      c. 0.05

8. Convert these to fractions over 1,000.

a. 0.9      b. 0.1      c. 0.4

9. Write this as a decimal.

5 ones, 8 tenths, 2 hundredths and 7 thousandths

10. Are  $\frac{5}{10}$  and  $\frac{500}{1000}$  the same?

Explain your answer.

11. Convert these to decimals.

a.  $\frac{827}{1000}$       b.  $\frac{5}{1000}$       c.  $\frac{43}{1000}$ 

12. Convert these to decimals.

a.  $\frac{700}{1000}$       b.  $\frac{460}{1000}$       c.  $\frac{80}{1000}$ 13.  $0.3 = \frac{3}{1000}$ 

Is this correct? Explain.

14. Give at least two examples and non-examples of a decimal with thousands and its equivalent fraction.

Example:

 $1.938 = 1\frac{938}{1000}$ 

Non-example:

 $1.3 = 1\frac{3}{10}$ 

You might want to talk to an adult



Spot the mistake

## Answers

Q no.	Question	Answer
1	$9 \times 4 \times 6$	216
2	$\frac{7}{8}$ of 72	63
3	$6.8 + 9.5$	16.3
4	$2,100 \div 4$	525
5	Explain what the difference is between thousandths and thousands.	Thousandths are much smaller than thousands. Thousandths mean one whole split into one thousand pieces, whereas one thousand means one thousand ones.
6	Convert these to fractions.	a. $\frac{374}{1000}$ , b. $\frac{401}{1000}$ , c. $\frac{46}{1000}$
7	Convert these to fractions over 1,000.	a. $\frac{280}{1000}$ , b. $\frac{630}{1000}$ , c. $\frac{50}{1000}$
8	Convert these to fractions over 1,000.	a. $\frac{900}{1000}$ , b. $\frac{100}{1000}$ , c. $\frac{400}{1000}$
9	Write this as a decimal.	5.827
10	Are $\frac{5}{10}$ and $\frac{500}{1000}$ the same? Explain your answer.	The two fractions are equivalent. $\frac{5}{10}$ has had the numerator and denominator multiplied by 100 to make $\frac{500}{1000}$ . If they were both converted to decimals, they would both be 0.5
11	Convert these to decimals.	a. 0.827, b. 0.005, c. 0.043
12	Convert these to decimals.	a. 0.7, b. 0.46, c. 0.08
13	Is this correct? Explain.	This is incorrect. 0.3 is equivalent to $\frac{3}{10}$ , $\frac{30}{100}$ , $\frac{300}{1000}$
14	Give at least two examples and non-examples of a decimal with thousands and its equivalent fraction.  Example: $1.938 = 1 \frac{938}{1000}$ Non-example: $1.3 = 1 \frac{3}{10}$	Accept answers where examples show decimals with thousandths and their fraction equivalent and non-examples show decimals without thousandths and their fraction equivalents (without one thousand as the denominator).  Examples: Example - $0.172 = \frac{172}{1000}$ , $1.111 = 1 \frac{111}{1000}$ Non-example - $1.43 = 1 \frac{43}{100}$ , $0.21 = \frac{21}{100}$