

## Exercise 23

How many significant figures are there in the following values?

a.  $0.05 \times 10^{-4}$

b. 0.00340

c.  $7.2 \times 10^4$

d. 103.00

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### Solution

Leading zeros do not count as significant figures, but trailing zeros after the decimal point do count. Zeros between significant figures count as well.

- a. 1 significant figure
- b. 3 significant figures
- c. 2 significant figures
- d. 5 significant figures