Standard form: small numbers

1

Write **0.0054** in standard form.

$0.0054 =$ [0.054] $\div 10^{1}$

$0.0054 =$ [0.54] $\div 10^{2}$

$0.0054 =$ [ ] $\div 10^{3}$

Multiply by 10, divide by one more 10.
$\div 10^{3}$ is the same as $\times 10^{-3}$

$0.0054 =$ [ ] **$\times 10$** [ ]

2

Write **0.00038** in standard form.

$0.00038 =$ [0.0038] $\div 10^{1}$

$0.00038 =$ [ ] $\div 10^{2}$

$0.00038 =$ [ ] $\div 10^{3}$

$0.00038 =$ [ ] $\div 10^{4}$

$0.00038 =$ [ ] **$\times 10$** [ ]

3

Write **0.067** in standard form.

$0.067 =$ [ ] $\div 10^{1}$

$0.067 =$ [ ] $\div 10^{2}$

$0.067 =$ [ ] **$\times 10$** [ ]

4

Write **0.000029** in standard form.

$0.000029 =$ [ ] **$\times 10$** [ ]

5

Write **0.0703** in standard form.

$0.0703 =$ [ ] **$\times 10$** [ ]

6

Write **3.9×10^{-4}** as an ordinary number.

Answer _____

7

A thread of spider silk is about 0.000004 m thick. Write this in standard form.

Answer _____

8

Priya writes 0.0083 as 8.3×10^{-2}.
What has she done wrong?
Write it correctly.

Answer _____

Standard form: small numbers *further practice*

9

A sheet of kitchen foil is about 1.6×10^{-5} m thick. Write this as an ordinary number.

Answer _____

10

Find the missing power.

$0.00071 = 7.1 \times 10^{\square}$

_____

11

The masses of four seeds are shown, in grams. Write the masses in order, lightest first.

3.2×10^{-3} 5×10^{-4} 1.9×10^{-2} 2.8×10^{-3}

1st ☐ 2nd ☐

3rd ☐ 4th ☐

12

Circle the numbers that are less than 1.

3.6×10^{2} 8×10^{-1}

1.2×10^{-4} 5.5×10^{3}

9.9×10^{-2}

_____

13

A virus is about 1.2×10^{-7} m wide.
A bacterium is about 2×10^{-6} m long.
Which is smaller? Show how you know.

Answer _____

14

Complete the table.

Ordinary number	Standard form
0.0029	
	6.6×10^{-5}
0.81	

15

47×10^{-4} is not in standard form.
Write it in standard form.

Answer _____

16

Tom says 2×10^{-6} is bigger than 2×10^{-3}, because 6 is bigger than 3. Is Tom right? Explain your answer.

Answer _____