Standard form: large numbers

1

Write **27 000** in standard form.

$27\,000 = \boxed{2700} \times 10^{1}$

$27\,000 = \boxed{270} \times 10^{2}$

$27\,000 = \boxed{} \times 10^{3}$

Divide by 10, multiply by one more 10.

27 000 = ☐ **× 10** ☐

2

Write **530 000** in standard form.

$530\,000 = \boxed{53\,000} \times 10^{1}$

$530\,000 = \boxed{} \times 10^{2}$

$530\,000 = \boxed{} \times 10^{3}$

$530\,000 = \boxed{} \times 10^{4}$

530 000 = ☐ **× 10** ☐

3

Write **9100** in standard form.

$9100 = \boxed{} \times 10^{1}$

$9100 = \boxed{} \times 10^{2}$

9100 = ☐ **× 10** ☐

4

Write **4 600 000** in standard form.

4 600 000 = ☐ **× 10** ☐

5

Notice the change!

Write **7.4×10^{4}** as an ordinary number.

$7.4 \times 10^{1} = \boxed{}$

$7.4 \times 10^{2} = \boxed{}$

$7.4 \times 10^{3} = \boxed{}$

$7.4 \times 10^{4} =$ ☐

6

Write **6.05×10^{5}** as an ordinary number.

$6.05 \times 10^{5} =$ ☐

7

Write these in order, smallest first.

3.9×10^{5} **8.2×10^{4}**

1.6×10^{5} **9.7×10^{3}**

1st ☐ 2nd ☐

3rd ☐ 4th ☐

8

64×10^{3} is not in standard form. Write it in standard form.

Answer _____

Standard form: large numbers *further practice*

9

Write 7.08×10^5 as an ordinary number.

Answer _____

10

Which is bigger, 6.1×10^4 or 2.3×10^5? Explain how you know.

Answer _____

11

A forest has about 4 300 000 trees. Write this number in standard form.

Answer _____

12

Find the missing number.

$590\,000 = \square \times 10^5$

_____

13

Write these in order, largest first.

3.7×10^5 81 000

9.2×10^4 3.07×10^5

1st ☐ 2nd ☐

3rd ☐ 4th ☐

_____

14

A website had 6.4×10^5 visits in May and 1.2×10^6 visits in June. How many more visits were there in June than in May?

Answer _____

15

A number is 5×10^n. Written as an ordinary number, it has 7 digits. Find the value of n.

Answer _____

16

Jo says 9.9×10^4 is bigger than 1.1×10^5, because 9.9 is bigger than 1.1. Is Jo right? Explain.

Answer _____