

APES Math Practice

Name _____

Use the information in the table to solve these problems. The units are made up, but they really are animal names. Show your setup and any “long math” that you do. You learned a method of solving this kind of problem in chemistry or physics. If you have forgotten, TRY anyway. Do not leave this blank. If you TRY and show work, you will get full credit.

Helpful Guidelines

1. First write out the UNIT you want.
2. Use scientific notation to make the numbers more manageable
3. Use what is given in the question as a starting place.
4. Use the UNITS to guide you to your answer.

10 axolotls (axo) = 0.22 dumbo octopus (do)
2 dumbo octopuses (do) = 0.0001 tarsiers (t)
1 tarsier (t) = 15 frill-necked lizards (fnl)
1 narwhal (n) = 3 frill-necked lizards (fnl)
10,000 narwhals (n) = 1 blobfish (bf)

Convert the following into scientific notation	Convert the following from scientific notation
0.22 dumbo octopus =	$1 \times 10^{12} =$
10000 narwhals =	$30 \times 10^3 =$
.0001 tarsiers =	$22 \times 10^{-2} =$

1. How many tarsiers are in one blobfish?
2. How many dumbo octopuses are in 4 narwhals?
3. How many blobfish are in 1×10^{12} axolotls?

2. How many dumbo octopuses are in 4 narwhals?

3. How many blobfish are in 1×10^{12} axolotls?