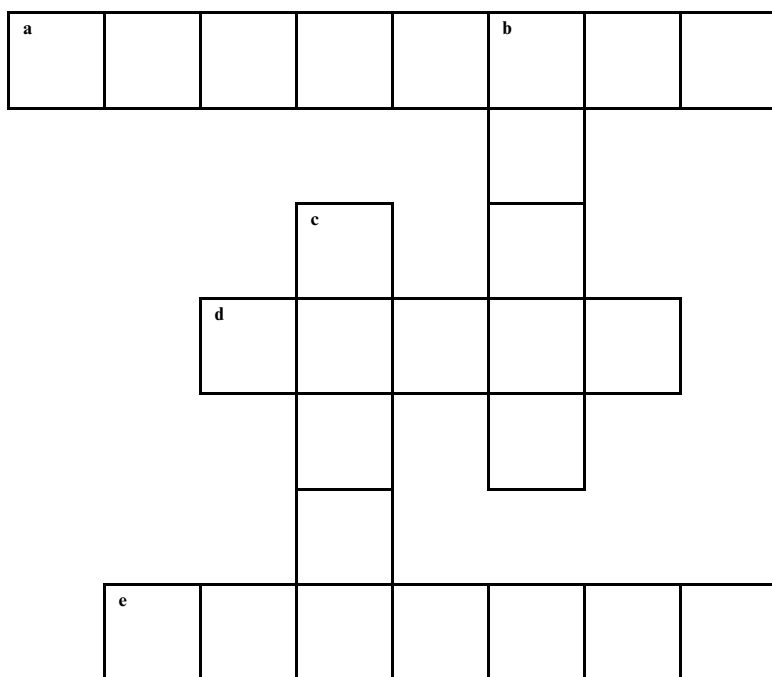


Name _____ Date _____

Vocabulary worksheet 1: 3.1–3.2

1 Use the clues to complete the crossword.



- a** To arrange in groups because of a similar property
 - b** A number that tells you how many times to multiply a base number by itself. For example, to evaluate 5^3 , you multiply 5 by itself 3 times
 - c** To make a number simpler by writing the number with fewer decimal places
 - d** Another name given to the word from part **b** of this crossword
 - e** Plural of index
- 2 Ahmad asks Sasha some questions. Choose the correct words in Sasha's explanations. The first one has been done for you.

a Ahmad asks:

What does 'powers of 10' mean?

Sasha says:

It means the number of times that you need to multiply/divide 10 by 10.

b Ahmad asks:

So, if I have 10 to the power of 3, what do I do?

Sasha says:

You multiply 10 by 10, and then you *multiply it by 3*/multiply it by 10 again.

c Ahmad asks:

And how do I write 10 to the power of 3?

Sasha says:

You write the 10 in the normal size followed by *a little 3 at the top*/a little 3 at the bottom.

d Ahmad asks:

I need to use a degree of accuracy to the nearest 10, but I don't understand what that means. Can you explain it to me?

Sasha says:

It means that you have to round *up/on* or round *off/down* every answer to the closest multiple of 10. So, if the answer is 57, you round it *up/on* to 60.