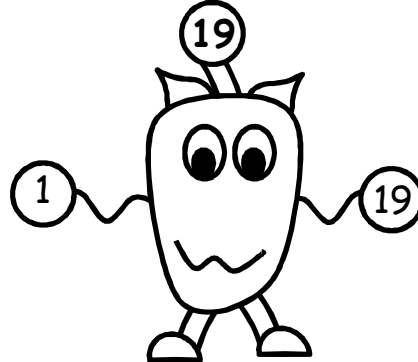
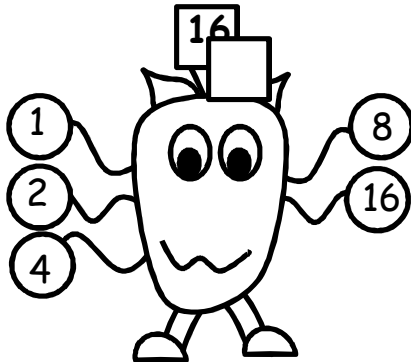


Name:

Date:

Factors – Square Numbers and Prime Numbers.

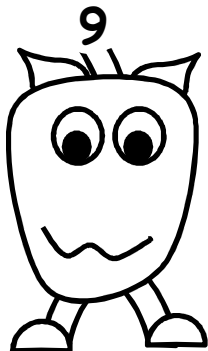
Meet factor monster '16' and its friend, factor monster '19'.



16 is a **square** number. It has an odd number of factors because $4 \times 4 = 16$ (you don't need to write 4 twice). The factors of **16** are **1, 2, 4, 8** and **16**.

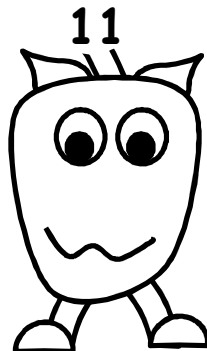
19 is a **prime** number. A **prime** number is a whole number greater than 1 whose only factors are 1 and itself. So, the factors of **19** are **1** and **19**.

Work out the factors of the numbers shown by the factor monsters. If the number is a **square** number draw a square around the number above the monster, otherwise draw a circle.



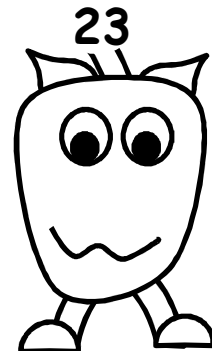
The factors of **9** are:

This is anumber.



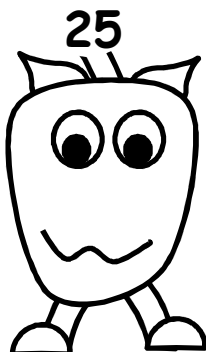
The factors of **11** are:

This is anumber.



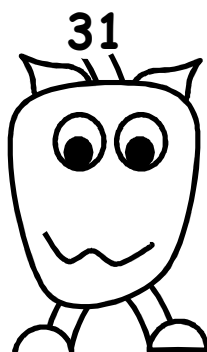
The factors of **23** are:

This is anumber.



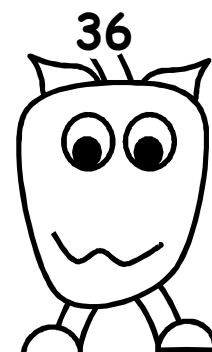
The factors of **25** are:

This is anumber.



The factors of **31** are:

This is anumber.



The factors of **36** are:

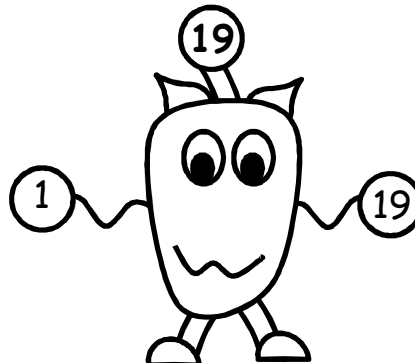
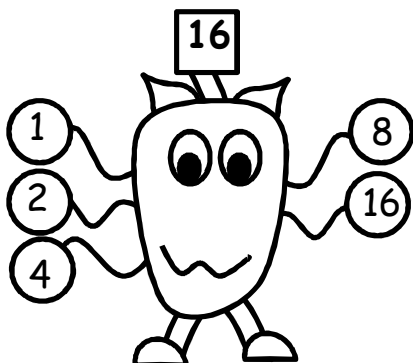
This is anumber.

Name:

Date:

Factors – Square Numbers and Prime Numbers.

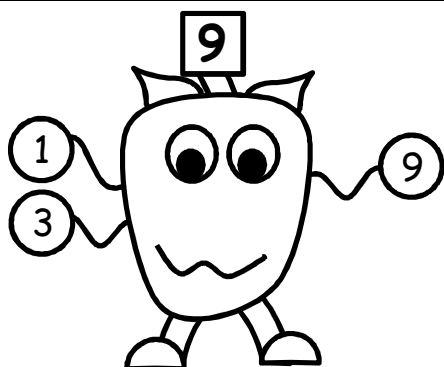
Meet factor monster '16' and its friend, factor monster '19'.



16 is a **square** number. It has an odd number of factors because $4 \times 4 = 16$ (you don't need to write 4 twice). The factors of **16** are **1, 2, 4, 8** and **16**.

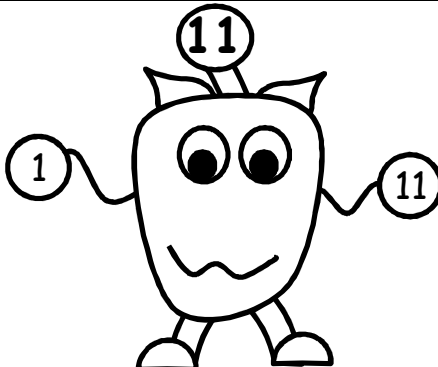
19 is a **prime** number. A **prime** number is a whole number greater than 1 whose only factors are 1 and itself. So, the factors of **19** are **1** and **19**.

Work out the factors of the numbers shown by the factor monsters. If the number is a **square** number draw a square around the number above the monster, otherwise draw a circle. **ANSWERS**



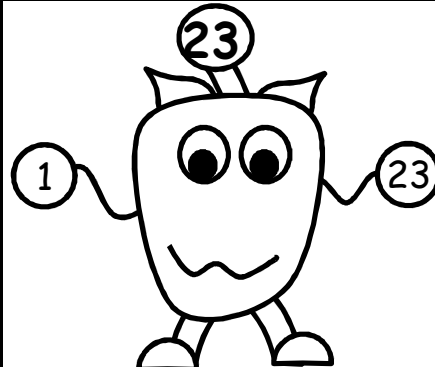
The factors of **9** are:
1, 3 and 9

This is a **square** number.



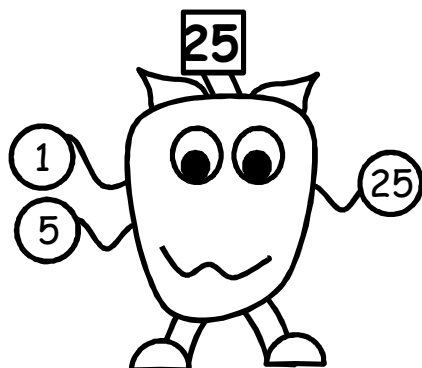
The factors of **11** are:
1 and 11

This is a **prime** number.



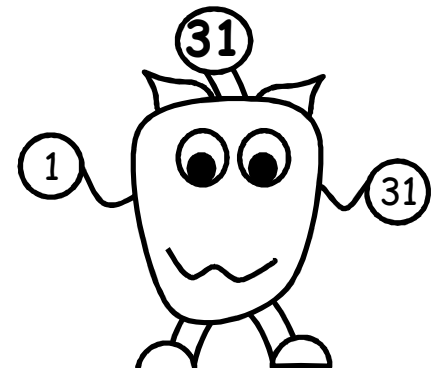
The factors of **23** are:
1 and 23

This is a **prime** number.



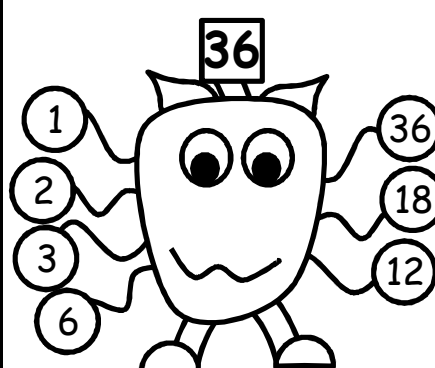
The factors of **25** are:
1, 5 and 25

This is a **square** number.



The factors of **31** are:
1 and 31

This is a **prime** number.



The factors of **36** are:
1, 2, 3, 6, 12, 18 and 36

This is a **square** number.