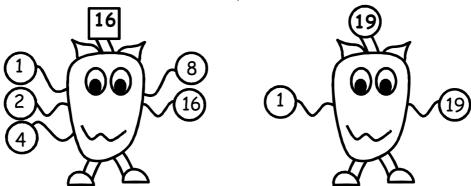
Name:

Factors – Square Numbers and Prime Numbers.

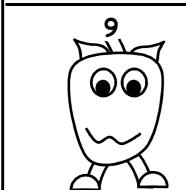
Meet factor monster '16' and its friend, factor monster '19'.



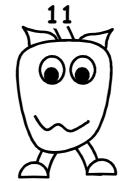
16 is a square number. It has an odd number of factors because $4 \times 4 = 16$ (you don't need to write 4 twice). The factors of 16 are 1, 2, 4, 8 and 16.

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.

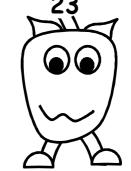
Work out the factors of the numbers shown by the factor monsters. If the number is a **square** number draw a square around the number above the monster, otherwise draw a circle.



The factors of **9** are:



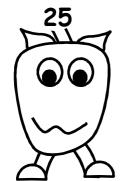
The factors of 11 are:



The factors of 23 are:

This is anumber.

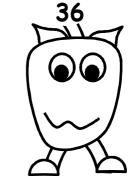
This is anumber. This is anumber.



The factors of **25** are:



The factors of 31 are:



The factors of **36** are:

This is anumber.

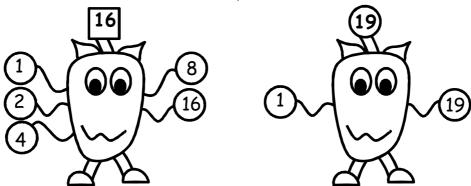
This is anumber. This is anumber.

<u>Name</u>:

<u>Date:</u>

<u>Factors – Square Numbers and Prime Numbers.</u>

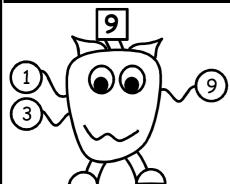
Meet factor monster '16' and its friend, factor monster '19'.



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.

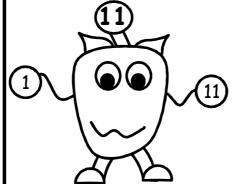
19 is a **prime** number. A **prime** number is a whole number greater than 1 whose only factors are 1 and itself. So, the factors of 19 are 1 and 19.

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**



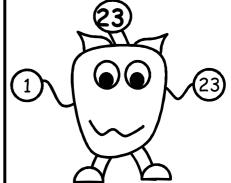
The factors of **9** are: 1, 3 and 9

This is a square number.



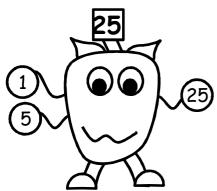
The factors of 11 are: 1 and 11

This is a prime number.



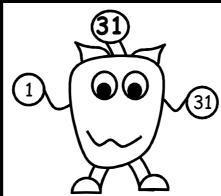
The factors of **23** are: 1 and 23

This is a prime number.



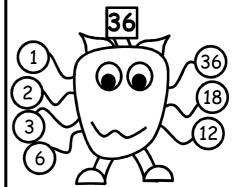
The factors of **25** are: 1.5 and 25

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.