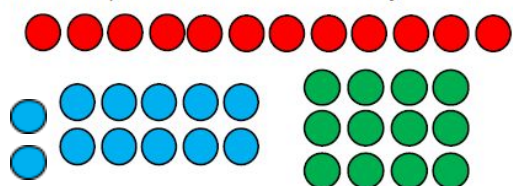
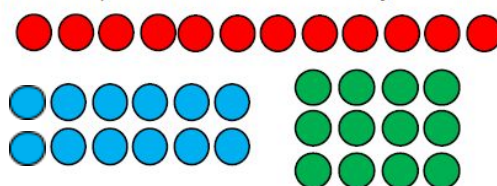


What factor pairs for 12 do these arrays show?



Use counters to create arrays for 24. How many factor pairs can you find?

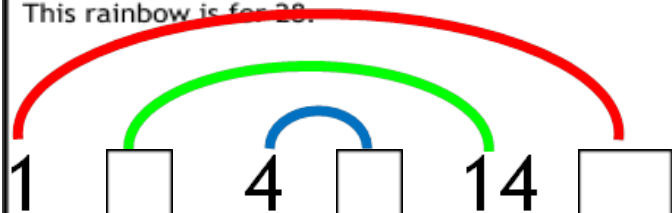
What factor pairs for 12 do these arrays show?



Use counters to create arrays for 24. How many factor pairs can you find?

2. Complete these factor rainbows.

This rainbow is for 28.



This rainbow is for 16.

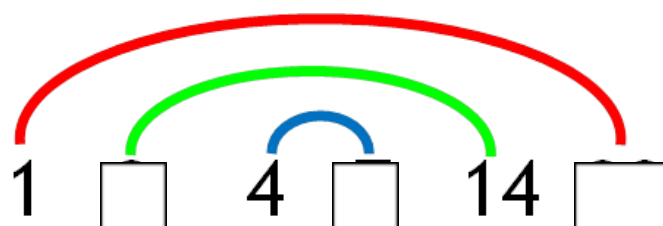


3. Draw your own factor rainbow for 20.

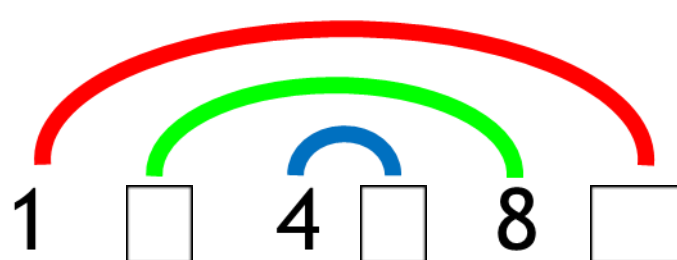
4. Draw your own factor rainbow for 48.

2. Complete these factor rainbows.

This rainbow is for 28.



This rainbow is for 16.



3. Draw your own factor rainbow for 20.

4. Draw your own factor rainbow for 48.

Challenge 2

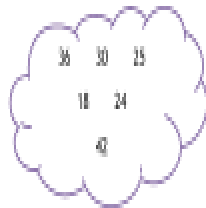
Reasoning and Problem Solving

Odd One Out

Circle the number which does not have 6 as a factor then explain your choice.

0

0



Challenge 2

Reasoning and Problem Solving

Odd One Out

Circle the number which does not have 6 as a factor then explain your choice.



0

0

0



Challenge 3

Reasoning and Problem Solving

Ella the Egyptian says:

The bigger the number, the more factor pairs it will have.

Do you agree with Ella?
Explain why/ why not.



Challenge 3

Reasoning and Problem Solving

Ella the Egyptian says:

The bigger the number, the more factor pairs it will have.

Do you agree with Ella?
Explain why/ why not.

Extra Challenge

Reasoning and Problem Solving

True or **False**?

An even number always has an even number of factor pairs and an odd number always has an odd number of factor pairs.

Is this true or false?

Prove it.

Extra Challenge

Reasoning and Problem Solving

True or **False**?

An even number always has an even number of factor pairs and an odd number always has an odd number of factor pairs.

Is this true or false?

Prove it.

