

The Locks

Workspace

1.

What is the total number of possible combinations for the push-button lock? Show how you determined the number of combinations.

Answer:

2.

What is the total number of possible combinations for the combination lock? Show how you determined the number of combinations.

Answer:

The Locks



After determining how many possible combinations are available for each lock, which lock would you prefer to use. Defend your lock selection by constructing a list of 5 reasons why you prefer that lock over the other lock.

Reason 1	
Reason 2	
Reason 3	
Reason 4	
Reason 5	