



Locksmith

Self-assessment questions

No.	Self-assessment question	Correct answer
1.	<p>Kwikset Titan has a MACS of:</p> <p>A. 5 B. 4 C. 7 D. 9</p>	<p>Correct Answer: B. 4</p> <p><u>Explanation</u> A Kwikset Titan has a MACS (Maximum Adjacent Cut Specification) of 4. This means that the difference between any two adjacent cuts on the key cannot exceed 4. The MACS is a measure of the key's security and determines how difficult it is for someone to pick or manipulate the lock. A lower MACS value indicates a higher level of security, as it limits the possible combinations of key cuts. Therefore, a MACS of 4 indicates that the Kwikset Titan is relatively secure and harder to pick compared to higher MACS values.</p>
2.	<p>How many sets of pintumblers are in a typical pin tumbler house door lock?</p> <p>A. 3 or 4 B. 5 or 6 C. 11 or 12 D. 7 or 8</p>	<p>Correct Answer: B. 5 or 6</p> <p><u>Explanation</u> A typical pin tumbler house door lock consists of multiple pin tumblers, which are small cylindrical pins that move up and down within the lock cylinder. Each pin tumbler is paired with a corresponding driver pin, and the combination of these pins determines the lock's key code. Generally, there are multiple pin tumblers in a lock, with each set consisting of a pin tumbler and a driver pin. The question asks how many sets of pin tumblers are in a typical lock, and the correct answer is 5 or 6, indicating that there are 5 or 6 pairs of pin tumblers and driver pins in the lock.</p>
3.	<p>Spool and Mushroom pins:</p> <p>A. Make keys easier to duplicate B. Can hinder normal picking attempts C. Make a lock easier to pick D. Make keys harder to duplicate</p>	<p>Correct Answer: B. Can hinder normal picking attempts</p> <p><u>Explanation</u> Spool and mushroom pins can hinder normal picking attempts. These types of pins are designed to create false sets and increase the difficulty of picking a lock. When a pick is inserted into the lock, these pins will catch on the pick, causing the pins to bind and giving the appearance of a set pin. This can confuse and frustrate a picker, making it more challenging to successfully pick the lock. Therefore, spool and mushroom pins can act as a deterrent to picking attempts.</p>



4.	<p>A key in knob lock whose default position is that both knobs are locked and require that a key be used for unlocking is:</p> <p>A. A classroom lock B. A function lock C. An institution lock D. A school lock</p>	<p>Correct Answer: C. An institution lock</p> <p><u>Explanation</u> An institution lock refers to a type of key in knob lock that is commonly used in large organizations or institutions such as universities, hospitals, or government buildings. These locks typically have a default position where both knobs are locked, requiring the use of a key to unlock them. This design ensures better security and control over access to certain areas within the institution. Therefore, an institution lock is the most appropriate term to describe this type of lock.</p>
5.	<p>As a general rule, General Motors' 10 cut wafer sidebar locks have:</p> <p>A. A sum total of cut depths that must equal an even number B. Up to four of the same depth cut in the 7,8,9 and 10 spaces C. A maximum of five number 1 depths in a code combination D. At least one -1 or 1-4 adjacent cuts</p>	<p>Correct Answer: A. A sum total of cut depths that must equal an even number</p> <p><u>Explanation</u> The correct answer is that General Motors' 10 cut wafer sidebar locks have a sum total of cut depths that must equal an even number. This means that when you add up all the cut depths in the lock, the result must be an even number. This requirement ensures that the lock is properly aligned and functions correctly.</p>
6.	<p>The 2 most common key stops are:</p> <p>A. Blade and v cut B. Shoulder and tip C. Bow and blade D. Keyway grooves and bittings</p>	<p>Correct Answer: B. Shoulder and tip</p> <p><u>Explanation</u> The correct answer is "Shoulder and tip." In key cutting, the shoulder refers to the part of the key that stops against the lock face when fully inserted, while the tip is the end of the key that enters the lock mechanism. These two stops are crucial in determining the correct length and shape of the key, ensuring it fits and operates smoothly in the lock. The other options mentioned are not relevant in the context of key stops.</p>
7.	<p>A popular type of lock used on GM cars is:</p> <p>A. A Medeco pin tumbler B. An Automotive Bit key C. A sidebar wafer D. An Automotive tubular key</p>	<p>Correct Answer: C. A sidebar wafer</p> <p><u>Explanation</u> The correct answer is A sidebar wafer. Sidebar wafers are commonly used in locks on GM cars. They are small metal discs or wafers that are inserted into the lock cylinder and interact with the sidebar mechanism to provide additional security. This type of lock is designed to prevent unauthorized access to the vehicle and is commonly used in automotive</p>



		security systems.
8.	<p>Which type of cylinder is typically found on an interlocking deadbolt or "jimmy proof" deadlock?</p> <p>A. Mortise cylinder B. Key in knob cylinder C. Rim Cylinder D. Tubular Deadbolt Cylinder</p>	<p>Correct Answer: C. Rim Cylinder</p> <p><u>Explanation</u> A rim cylinder is typically found on an interlocking deadbolt or "jimmy proof" deadlock. This type of cylinder is mounted on the surface of the door, rather than being inserted into the door like a mortise cylinder. It is usually used in conjunction with a rim lock, which is a surface-mounted lock that is attached to the inside face of the door. The rim cylinder is inserted into the rim lock and operates the deadbolt, providing extra security for the door.</p>
9.	<p>A blank is basically just:</p> <p>A. A change key with cuts on one side only B. An uncut or uncombined key C. Any key with no words or numbers on the bow D. A master key with no words or numbers on the bow</p>	<p>Correct Answer: B. An uncut or uncombined key</p> <p><u>Explanation</u> An uncut or uncombined key refers to a key that has not been modified or altered in any way. It has not been cut to fit a specific lock or combined with other keys. This type of key is essentially a blank slate, ready to be customized according to the needs of the lock it will be used for. It does not have any cuts or combinations on it, making it a blank key that can be shaped and cut to match a particular lock.</p>
10.	<p>You must run the cutter of a key machine into the vise jaw.</p> <p>A. True B. False</p>	<p>Correct Answer: B. False</p> <p><u>Explanation</u> Running the cutter of a key machine into the vise jaw is not necessary or recommended. The vise jaw is used to hold the key blank securely in place while cutting, but the cutter should not come into contact with the vise jaw. The cutter is responsible for shaping the key blank and should only interact with the blank itself.</p>
11.	<p>A combination lock require a key to be opened.</p> <p>A. True B. False</p>	<p>Correct Answer: B. False</p> <p><u>Explanation</u> The statement is incorrect because a combination lock does not require a key to be opened. Instead, it requires a specific sequence of numbers or symbols to be entered in the correct order to unlock it. Keys are typically used for traditional locks, where a physical key is inserted into a lock mechanism to open it. However, combination locks operate differently and do not rely on keys for their functionality.</p>



12.	<p>A rubber band can assist in opening some types of locks.</p> <p>A. True B. False</p>	<p>Correct Answer: A. True</p> <p><u>Explanation</u> Rubberbands can be used as a tool to open certain types of locks. By wrapping the rubberband around the lock and applying tension, it can create enough friction to turn the lock mechanism and unlock the door. This technique is commonly known as the "rubber band lock picking" method and is often used in emergency situations or by locksmiths. Therefore, the statement "A rubberband can assist in opening some types of locks" is true.</p>
13.	<p>What does VATS stand for?</p> <p>A. Vehicular Alarm Timing System B. Vehicle Anti Theft System C. Vehicle Alarm Theft System D. Vehicle Anti Thief System</p>	<p>Correct Answer: B. Vehicle Anti Theft System</p> <p><u>Explanation</u> VATS stands for Vehicle Anti Theft System. This system is designed to prevent unauthorized access and theft of vehicles. It includes various security features such as immobilizers, alarms, and tracking devices to deter thieves and protect the vehicle from being stolen.</p>
14.	<p>Most locks on BMW's have 8 disc tumblers and are easy to pick open.</p> <p>A. True B. False</p>	<p>Correct Answer: B. False</p> <p><u>Explanation</u> The statement is false because most locks on BMW's do not have 8 disc tumblers and are not easy to pick open.</p>
15.	<p>VIN stands for Vehicle Information Number.</p> <p>A. True B. False</p>	<p>Correct Answer: B. False</p> <p><u>Explanation</u> The correct answer is False because VIN actually stands for Vehicle Identification Number, not Vehicle Information Number. The VIN is a unique code consisting of a combination of letters and numbers that is used to identify individual vehicles. It provides information about the vehicle's manufacturer, specifications, and history.</p>

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