

Animation Worksheet: 7-Speed Dual Clutch Transmission

Name: _____ Date: _____

1. The video demonstrates the internal layout and power flow of a transmission with _____ forward speeds.
2. The two main components responsible for transferring engine power to the internal gear sets are Clutch 1 and _____.
3. Power leaves the transmission through a single component called the _____ shaft.
4. When the transmission is in Neutral, neither clutch is _____.
5. In 1st gear, Clutch 1 is applied, and the engine's power flows directly through the _____ shifter.
6. The specific gear ratio given for 1st gear operation is _____:1.
7. When the transmission shifts into 2nd gear, Clutch _____ becomes applied to direct power through a different shaft.
8. The gear ratio drops to 1.7:1 when the transmission is shifted into _____ gear.
9. When operating in 5th gear, the transmission achieves a perfect _____:1 ratio.
10. The highest gear shown, 7th gear, operates at a ratio of _____:1.