**Feeds and speeds quiz**

1. What is the SFM of a 5 flute 1/2” HSS flat end mill with an RPM of 6,500?
2. What is the RPM of a 4 flute 2” face mill running 400 SFM?
3. What is the chip load for a 5 flute carbide 1/2” end mill running at 10,000 RPM in aluminum with a recommended IPT of .0025?
4. What is the IPM for a 5 flute carbide 1/2" endmill with an RPM of 3,819 cutting mild steel with an IPT of .0017?
5. What is the IPM for a 2” face mill with an SFM of 2,000 when cutting aluminum with an IPR of .015?
6. What is the SFM of a 3 flute 3/4” Carbide flat end mill with an RPM of 10,000?
7. What is the IPR for a 3 flute HSS 3/8” bullnose end mill running at 200 SFM in high carbon steel with a recommended IPT of .0018?
8. What is the IPM for a 3 flute HSS 1/4” end mill with an RPM of 10,000 cutting acetal with an IPT of .008” IPT?
9. What is the IPM for a 5 flute carbide 1/4" bullnose end mill with an IPR of .0125 cutting mild steel at 4,000 RPM?
10. What is the RPM of a 2 flute HSS 9/16” drill running at 90 SFM?
11. What is the SFM of a 2 flute 1/4” carbide drill with an RPM of 4,500?
12. What is the RPM of a 3 flute carbide 1/2” bullnose end mill running at 1,000 SFM?
13. What is the chip load for a 5 flute carbide 3/4” end mill with a SFM of 200 to 250 in low carbon steel with a recommended IPT of .0028?
14. What is the IPM for a 5 flute carbide 5/8” end mill with an RPM 1,225 cutting high carbon steel with an IPT of .0019?
15. What is the IPM for a 2 flute carbide 3/4" flat end mill with an IPR of .016 cutting UHMW at 10,000 rpm?
16. What is the SFM of a 5 flute 1/8” carbide bullnose end mill with an RPM of 6,111?
17. What is the RPM of a 3 flute carbide .201” drill running at 400 SFM?
18. What is the IPR for a 7 flute carbide 1/2” bullnose end mill with an RPM of 1,500 in titanium with a recommended IPT of .0017?
19. What is the IPM for a 3 flute HSS 3/8” end mill with an RPM of 10,000 cutting aluminum with an IPT of .003?
20. What is the IPM for a 7 flute carbide 3/8” flat end mill with an IPR of .00672 cutting titanium at 150 SFM?
21. What is the SFM of a 2 flute 3/4” HSS flat end mill with an RPM of 5,500?
22. What is the RPM of a 2 flute 5/16” drill running at 300 SMF?
23. What is the IPM for a 3 flute carbide 1/2” end mill with an IPR of .0165 cutting aluminum at 1,000 SFM?
24. What is the IPR for a 3 flute HSS 1/4” flat end mill with an SFM of 300 cutting aluminum with a recommend chip load of .0025?
25. What is the IPM for a 5 flute Carbide 1/4” end mill with an IPR of .004 cutting Titanium at 150 SFM?