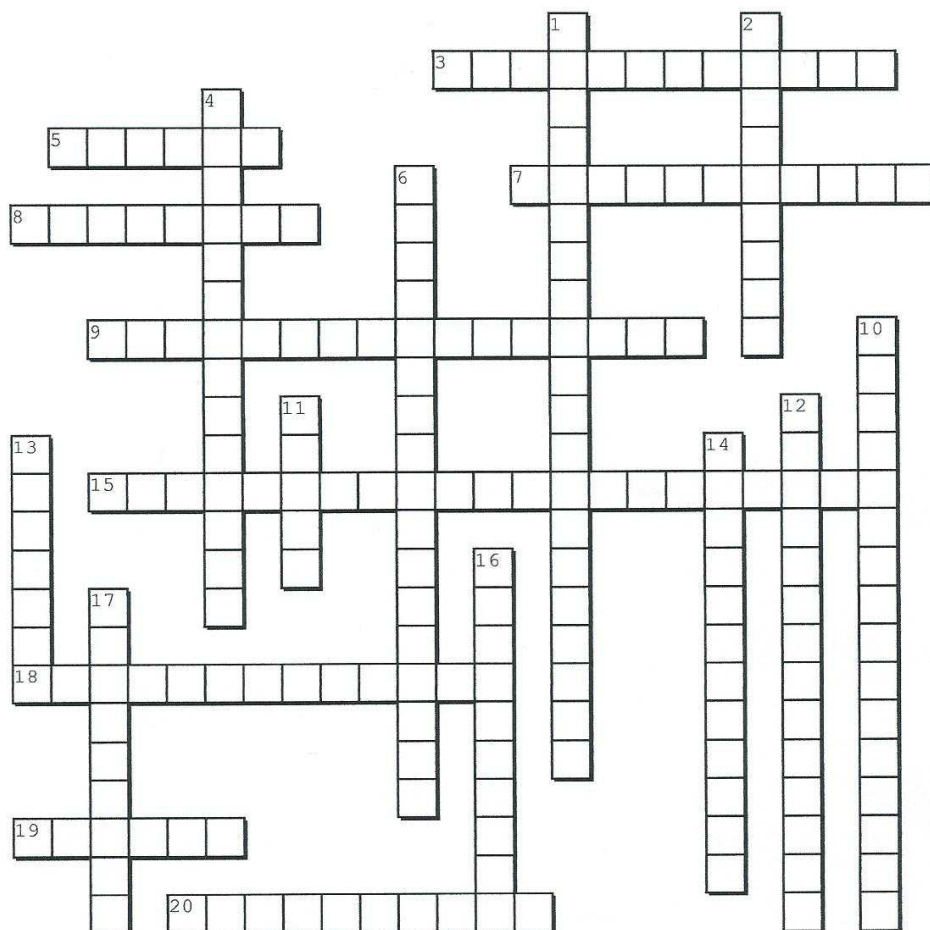


Lesson7_Crossword Puzzle

Name _____

Complete the crossword below



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Across

3. DOES A GOOD JOB OF OIL CONTROL; USUALLY RECOMMENDED FOR USE AT THE SECOND COMPRESSION RING
5. TRANSFERS FORCE OF COMBUSTION TO CRANKSHAFT, SEALS THE COMBUSTION CHAMBER, AND CONDUCTS HEAT FROM COMBUSTION CHAMBER TO CYLINDER WALLS
7. ALSO CALLED CONNECTING ROD BEARING JOURNAL
8. ALLOWS SOME LEAKAGE PAST THE TOP OF THE COMPRESSION RING, USEFUL IN PROVIDING PRESSURE ON THE SECOND RING TO DEVELOP A DYNAMIC SEALING FORCE (2 WORDS)
9. A PISTON RING LOCATED BELOW THE COMPRESSION RINGS
15. TOOL THAT OPENS RING GAP ENOUGH TO SLIP THE RING ON THE PISTON (3 WORDS)
18. A PISTON DESIGN THAT IS SHORTER ON TWO SIDES THAT ARE NOT THRUST SURFACES (2 WORDS)
19. LEAKAGE OF COMBUSTION GASSES PAST THE RINGS
20. A METHOD OF EXPANSION CONTROL WAS DEvised USING A _____ PISTON SKIRT. (2 WORDS)

Down

1. SOME PISTON PIN HOLES ARE NOT CENTERED IN THE PISTON. THEY ARE LOCATED TOWARD THE _____ (3 WORDS)
2. ALSO CALLED PISTON PIN
4. A DENSE GRAIN STRUCTURE ADDS STRENGTH; OFTEN USED IN TURBOCHARGED OR SUPERCHARGED ENGINES
6. A TYPE OF PISTON RING LOCATED TOWARD THE TOP OF THE PISTON (2 WORDS)
10. A METHOD OF RETAINING THE PISTON PIN IN THE CONNECTING ROD BY PRESSING OR SHRINKING
11. AREA BETWEEN GROOVES ON A PISTON RING
12. SPACE IN THE RING GROOVE ABOVE THE RING (2 WORDS)
13. ON A PISTON RING, LOCATED BETWEEN THE PISTON HEAD AND SKIRT
14. USUALLY MADE USING GRAVITY DIE CASTING
16. ATTACHES PISTON TO CONNECTING ROD (2 WORDS)
17. A HOLE THAT BLEEDS SOME OF THE OIL FROM THE CONNECTING ROD JOURNAL (2 WORDS)