

AVIA 122 Section 1 review...

Who can perform preventive maintenance?

Who can only perform limited preventive maintenance?

How long between inspections if an aircraft is used for pleasure flying?

How long ... if the aircraft is used for hire?

How long ... when used for flight instruction for hire?

What FARs cover certification of small aircraft? How about large aircraft?

What FAA airworthiness compliance document must be complied with?

Which others are suggested and in what order?

What two types of energy does a heat engine produce?

What does it use to do this?

What does propeller reduction gearing do?

What are hydraulic valve lifters and why are they used in an engine?

Name the components of the valve actuating mechanism

Why is an engine designed with a specific cylinder firing order?

Why do we want to minimize engine vibration / what does it cause?

What is the sequence of assembly for piston to crankshaft?

How are the cylinders numbered on an opposed engine (looking forward)?

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Name the types of piston rings (there are three):

What connects the engine to the propeller?

What does the crankcase provide for all aircraft engines?

Which engine always has an odd number of cylinders in each bank?

Which engine has two banks of cylinders opposite of each other and crankshaft in the middle?

Which engine has two rows of cylinders arranged at an angle with the crankshaft at the bottom of the angle?

How is fuel flow normally measured for economy (two ways)?

What does a power plant produce?

Does a propeller displace a LARGE amount of air into a SMALL velocity, or does it displace a SMALL amount at a LARGE velocity?

What FAR regulates aircraft maintenance?