

Homework - Thread Cutting Dies

Student Name _____ Date _____

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

- 1) A die is turned with a: 1) _____
A) Die handle B) Die wrench C) Die stock D) Die plate

- 2) A round split adjustable die is expanded and contracted by: 2) _____
A) Tapered wedges B) Die adjuster
C) Nut D) Screw

- 3) The chamfer on the cutting end of a die: 3) _____
A) Gives extra chip clearance
B) Is unnecessary
C) Provides space for cutting fluid
D) Distributes the cutting action over a number of threads

- 4) You have to choose between four rods to cut a 1/2-13 UNC thread. Which inch diameter rod will you use? 4) _____
A) .515 B) .498 C) .503 D) .497

- 5) A rod should be chamfered before threading to: 5) _____
A) Reduce its diameter B) Retain cutting oil
C) Provide additional chip clearance D) Make the die start easier

- 6) The lead of a screw is: 6) _____
A) The distance that a threaded mating part will move when rotated one revolution
B) Part of an engine lathe
C) The chamfer on the end of a threaded part
D) A lead bolt

- 7) To check a die cut thread, use: 7) _____
A) A thread pitch micrometer B) A mating nut
C) A ring gage of other mating part D) All of the above

- 8) While cutting threads with a hand die, the die is frequently reversed or backed off to: 8) _____
A) Cool the die B) Break the chips
C) Lubricate the die D) All of the above

- 9) Adjustable two piece dies are assembled: 9) _____
A) With the chamfer toward the guide B) With the chamfer away from the guide
C) Without the guide D) None of the above

- 10) Re-threading dies are used to: 10) _____
A) Cut occasional new threads
B) Re-cut rusty or damaged threads
C) Repair damaged threads on hardened bolts
D) All of the above