This challenge is comprised of three similar parts. Letting $123456$ represent a six-letter word whose letters are not necessarily distinct, Part I requests a listing of all such words with the property that $1234$, $2345$, and $3456$ are three four-letter words, while Part II requires that $123$, $234$, $345$, and $456$ be four three-letter words. (We have 29 of the former and 16 of the latter.) Finally, Part III addresses seven-letter words, $1234567$, which yield five three-letter words when dissected into $123$, $234$, $345$, $456$, and $567$. (There are 5 such in our list.)

Since there are fifty confirmed responses in total, award yourself two points for each specimen you discover.

**Part I:**

$123456 \rightarrow 1234$, $2345$, $3456$


**Part II:**

$123456 \rightarrow 123$, $234$, $345$, $456$


**Part III:**

$1234567 \rightarrow 123$, $234$, $345$, $456$, $567$


**DISSECTIONS** – Answers

**Part I:**
- **AMENDS → AMEN, MEND, ENDS**
- **BAREST → BARE, ARES, REST**
- **CHARMS → CHAR, HARM, ARMS**
- **CHARTS → CHAR, HART, ARTS**
- **CHUMPS → CHUM, HUMP, UMPS**
- **CLAMPS → CLAM, LAMP, AMPS**
- **CRAMPS → CRAM, RAMP, AMPS**
- **CRAPES → CRAP, RAPE, APES**
- **DIREST → DIRE, IRES, REST**
- **FOREST → FORE, ORES, REST**
- **HALEST → HALE, ALES, LEST**
- **HONEST → HONE, ONES, NEST**
- **MOLEST → MOLE, OLES, LEST**
- **PALEST → PALE, ALES, LEST**
- **PLEASE → PLEA, LEAS, EASE**

- **PLUMPS → PLUM, LUMP, UMPS**
- **RAREST → RARE, ARES, REST**
- **SCAMPS → SCAM, CAMP, AMPS**
- **SCANTS → SCAN, CANT, ANTS**
- **SCARES → SCAR, CARE, ARES**
- **SCRUMPS → SCUM, RUMP, UMPS**
- **SCOWLS → SCOW, COWL, OWLS**
- **SLAMPS → SLAM, LAMP, AMPS**
- **SCRAMPS → SCRAM, RAMP, AMPS**
- **SPARES → SPAR, PARE, ARES**
- **STARES → STAR, TARE, ARES**
- **STRADES → STRA, TARE, ARES**
- **TRAMPS → TRAM, RAMP, AMPS**
- **WHEELS → WHEE, HEEL, EELS**

**Part II:**
- **ANTHEM → ANT, NTH, THE, HEM**
- **ANTHER → ANT, NTH, THE, HER**
- **BAGELS → BAG, AGE, GEL, ELS**
- **BOATED → BOA, OAT, ATE, TED**
- **FORAGE → FOR, ORA, RAG, AGE**
- **GOATEE → GOA, OAT, ATE, TEE**
- **ORATED → ORA, RAT, ATE, TED**
- **PALACE → PAL, ALA, LAC, ACE**

- **PAYESS → PAY, AYE, YES, ESS**
- **ROBINS → ROB, OBI, BIN, INS**
- **SEARED → SEA, EAR, ARE, RED**
- **SEATED → SEA, EAT, ATE, TED**
- **SPARED → SPA, PAR, ARE, RED**
- **TEARED → TEA, EAR, ARE, RED**
- **TORAHS → TOR, ORA, RAH, AHS**
- **WASHER → WAS, ASH, SHE, HER**

**Part III:**
- **ANTHEMS → ANT, NTH, THE, HEM, EMS**
- **CAPERED → CAP, APE, PER, ERE, RED**
- **PANTHER → PAN, ANT, NTH, THE, HER**
- **PAPERED → PAP, APE, PER, ERE, RED**
- **TAPERED → TAP, APE, PER, ERE, RED**