



Name: _____

Date: _____

Fresh
Math

Algebra 1 – Unit 1 – Variables (Challenge)

- Given } $d = v \cdot t$, identify all variables and their meaning(s) when $x=4, y=$
- In } $\alpha \cdot \delta$, if } α is the acceleration, then δ is
- Given } $P = V \cdot I$, identify all variables and their meaning(s) when $w = 3z$
- List all variables in: $3z^2 + 5w - 5y$
- Evaluate } $5x + 5y - 2z$ when } $x=4, y=$
- Given } $d = v \cdot t$, identify all variables and their meaning(s) if } λ is the



Algebra 1 – Unit 1 – Variables (Challenge) – Answer Key

1. text{Given } $d = v \cdot t$, text{ identify all variables and their meaning(s) when } $x=4, y=0$
 $x = 0$
2. text{In } $\alpha \cdot \delta$, text{ if } α text{ is } 10 text{, then } δ text{ is } 2. text{, then } α text{ is } 5. text{, then } δ text{ is } 10. text{, then } α text{ is } 20. text{, then } δ text{ is } 5. text{, then } α text{ is } 40. text{, then } δ text{ is } 2. text{, then } α text{ is } 80. text{, then } δ text{ is } 4. text{, then } α text{ is } 160. text{, then } δ text{ is } 8. text{, then } α text{ is } 320. text{, then } δ text{ is } 16. text{, then } α text{ is } 640. text{, then } δ text{ is } 32. text{, then } α text{ is } 1280. text{, then } δ text{ is } 64. text{, then } α text{ is } 2560. text{, then } δ text{ is } 128. text{, then } α text{ is } 5120. text{, then } δ text{ is } 256. text{, then } α text{ is } 10240. text{, then } δ text{ is } 512. text{, then } α text{ is } 20480. text{, then } δ text{ is } 1024. text{, then } α text{ is } 40960. text{, then } δ text{ is } 2048. text{, then } α text{ is } 81920. text{, then } δ text{ is } 4096. text{, then } α text{ is } 163840. text{, then } δ text{ is } 8192. text{, then } α text{ is } 327680. text{, then } δ text{ is } 16384. text{, then } α text{ is } 655360. text{, then } δ text{ is } 32768. text{, then } α text{ is } 1310720. text{, then } δ text{ is } 65536. text{, then } α text{ is } 2621440. text{, then } δ text{ is } 131072. text{, then } α text{ is } 5242880. text{, then } δ text{ is } 262144. text{, then } α text{ is } 10485760. text{, then } δ text{ is } 524288. text{, then } α text{ is } 20971520. text{, then } δ text{ is } 1048576. text{, then } α text{ is } 41943040. text{, then } δ text{ is } 2097152. text{, then } α text{ is } 83886080. text{, then } δ text{ is } 4194304. text{, then } α text{ is } 167772160. text{, then } δ text{ is } 8388608. text{, then } α text{ is } 335544320. text{, then } δ text{ is } 16777216. text{, then } α text{ is } 671088640. text{, then } δ text{ is } 33554432. text{, then } α text{ is } 1342177280. text{, then } δ text{ is } 67108864. text{, then } α text{ is } 2684354560. text{, then } δ text{ is } 134217728. text{, then } α text{ is } 5368709120. text{, then } δ text{ is } 268435456. text{, then } α text{ is } 10737418240. text{, then } δ text{ is } 536870912. text{, then } α text{ is } 21474836480. text{, then } δ text{ is } 1073741824. text{, then } α text{ is } 42949672960. text{, then } δ text{ is } 2147483648. text{, then } α text{ is } 85899345920. text{, then } δ text{ is } 4294967296. text{, then } α text{ is } 171798691840. text{, then } δ text{ is } 8589934592. text{, then } α text{ is } 343597383680. text{, then } δ text{ is } 17179869184. text{, then } α text{ is } 687194767360. text{, then } δ text{ is } 34359738368. text{, then } α text{ is } 1374389534720. text{, then } δ text{ is } 68719476736. text{, then } α text{ is } 2748779068800. text{, then } δ text{ is } 137438953472. text{, then } α text{ is } 5497558137600. text{, then } δ text{ is } 274877906880. text{, then } α text{ is } 10995116275200. text{, then } δ text{ is } 549755813760. text{, then } α text{ is } 21990232550400. text{, then } δ text{ is } 1099511627520. text{, then } α text{ is } 43980465100800. text{, then } δ text{ is } 2199023255040. text{, then } α text{ is } 87960930201600. text{, then } δ text{ is } 4398046510080. text{, then } α text{ is } 175921860403200. text{, then } δ text{ is } 8796093020160. text{, then } α text{ is } 351843720806400. text{, then } δ text{ is } 17592186040320. text{, then } α text{ is } 703687441612800. text{, then } δ text{ is } 35184372080640. text{, then } α text{ is } 1407374883225600. text{, then } δ text{ is } 70368744161280. text{, then } α text{ is } 2814749766451200. text{, then } δ text{ is } 140737488322560. text{, then } α text{ is } 5629499532902400. text{, then } δ text{ is } 281474976645120. text{, then } α text{ is } 11258999065804800. text{, then } δ text{ is } 562949953290240. text{, then } α text{ is } 22517998131609600. text{, then } δ text{ is } 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δ text{ is } 68056471446905263157894736845467218893840. text{, then } α text{ is } 27222588578761052631578947368454672188938400. text{, then } δ text{ is } 136112942893805263157894736845467218893840. text{, then } α text{ is } 544451771575221052631578947368454672188938400. text{, then } δ text{ is } 2722258857876105263157894736845467218893840. text{, then } α text{ is } 10889035431504421052631578947368454672188938400. text{, then } δ text{ is } 54445177157522105263157894736845467218893840. text{, then } α text{ is } 217780708630088421052631578947368454672188938400. text{, then } δ text{ is } 1088903543150442105263157894736845467218893840. text{, then } α text{ is } 4355614172601768421052631578947368454672188938400. text{, then } δ text{ is } 21778070863008842105263157894736845467218893840. text{, then } α text{ is } 87112283452035368421052631578947368454672188938400. text{, then } δ text{ is } 435561417260176842105263157894736845467218893840. text{, then } α text{ is } 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