

```
set talk off
set stat off
set scoreboard off
set cursor off
set safety off
use sport
zap
set safety on
```

```
clear
n = 2
nn = 0
num = 0
numnum = 0
xx = 122
```

```
@ 1,12 say "OCTOGON"
@ 1,27 say "SQUARE"
@ 1,42 say "CIRCLE"
@ 1,56 say "TRIANGLE"
```

```
do while xx < 9877
num = num + 1
percent = (num/9877)*100
```

```
@ 18,25 say "Percent through "
@ 18,45 say trim(str(percent))
xx = xx+1
```

```
aa = ltrim(str(xx))
```

```
if len(aa) = 3
aa = stuff(aa,1,0,"0")
endif
```

```
a = left(aa,1)
b = substr(aa,2,1)
c = substr(aa,3,1)
d = right(aa,1)
```

```
x = a+b+c
y = c+a+a
z = val(x)+val(y)
zz = d+c+d
```

```
if val(zz) < 1000 .and. a#b .and. a#c .and. a#d .and. b#c .and. b#d .and.
c#d
```

```
numnum = numnum +1
@ 19,25 say "Combinations Tested"
@ 19,45 say trim(str(numnum))
```

```
if z = val(zz)
```

```
n = n+1
nn = nn +1
append blank
replace one with a,two with b,three with c,four with d
@ n,15 say a
@ n,30 say b
@ n,45 say c
@ n,60 say d
@ 20,25 say "Successful Combinations:"
@ 20,50 say trim(str(nn))
if n > 17
@ 3,10 clear to 18,70
n = 2
endif

endif
endif

enddo

@ 21,20 say " "
wait

set talk on
set stat on
set scoreboard on
set cursor on

return
□
```