RD 1503

ITEM: 222 Rem. Hand Load OPERATION:

DIMENSION: MACHINE NO:

DATE SAMPLED: 12-16-52 NUMBER SAMPLED: COMP. BY:

Class Interval	Number Found Within Each Interval	f	d	fd	$f(d)^2$
.0	I	1	-6	-6	36
.1	II	2	-5	-10	50
.2	IIII	5	-4	-20	80
.3	IIII I	6	-3	-18	54
.4	IIII II	7	-2	-14	28
.5	IIII I	6	-1	-6	6
.6	IIII	5	0		
.7	IIII II	7	+1	+7	7
.8	III	3	+2	+6	12
.9	III	3	+3	+9	27
1.0	II	2	+4	+8	32
1.1	I	1	+5	+5	25
1.2	I	1	+6	+6	36
1.3	I	1	+7	+7	49
1.4					
1.5					
		N=50	+48 −74		442
			Σfd= -26		$\Sigma f(d)^2$

ci = Class Interval
f = Total Number Within a Class Interval
d = Deviation in Class Units from Selected Origin
N = Total Number Sampled

$\bar{X}$= σ=

$\bar{X} = \text{Origin} \pm \frac{\Sigma fd}{N}(ci)$

Origin= .6

$\frac{\Sigma fd}{N} = \frac{-26}{50} = -.52$

ci= .1

$\frac{\Sigma fd}{N}(ci) = -.052$

$\bar{X}$= .548

$\sigma = ci\sqrt{\frac{\Sigma f(d)^2}{N} - \left(\frac{\Sigma fd}{N}\right)^2}$

$\frac{\Sigma f(d)^2}{N} = \frac{442}{50} = 8.84$

$-\left(\frac{\Sigma fd}{N}\right)^2 = -(\quad)^2 = -.27$

D= 8.57

$\sqrt{D}$= 2.93

ci= .1

$\sigma = ci\sqrt{D}$ = .293

Error .351 .235

$N\sigma^2$=

RD 1503

ITEM: SAKO - Factory Ammo   OPERATION:

DIMENSION: MACHINE NO:

DATE SAMPLED: 12-11-52   NUMBER SAMPLED: COMP. BY: E

Class Interval	Number Found Within Each Interval	f	d	fd	f(d)²
0	I	1	-7	-7	49
.1	III	3	-6	-18	108
.2	III	3	-5	-15	75
.3	III	3	-4	-12	48
.4	~~IIII~~	5	-3	-15	45
.5	~~IIII~~III	8	-2	-16	32
.6	II	2	-1	-2	2
.7	~~IIII~~III	8	0		
.8	III	3	+1	+3	3
.9	IIII	4	+2	+8	16
1.0	III	3	+3	+9	27
1.1	II	2	+4	+8	32
1.2	II	2	+5	+10	50
1.3	II	2	+6	+12	72
1.4	I	1	+7	+7	49
1.5					
		N= 50		+57 -85 Σfd= -28	608 Σf(d)²

ci= Class Interval
f= Total Number Within a Class Interval
d= Deviation in Class Units from Selected Origin
N= Total Number Sampled

$\bar{X}$=   σ=

$\bar{X}$ = Origin ± $\frac{\Sigma fd}{N}$(ci)

Origin= .7

$\frac{\Sigma fd}{N} = \frac{-28}{50} = -.56$

ci= .1

$\frac{\Sigma fd}{N}$(ci)= -.056

$\bar{X}$= .644

$\sigma = ci\sqrt{\frac{\Sigma f(d)^2}{N} - \left(\frac{\Sigma fd}{N}\right)^2}$

$\frac{\Sigma f(d)^2}{N} = \frac{608}{50} = 12.16$

$-\left(\frac{\Sigma fd}{N}\right)^2 = -(.56)^2 = -.31$

D= 11.85

√D= 3.43

ci= .1

σ= ci √D = .343

Nσ²=

RD 1683

ITEM: 222 Rem - Factory Load OPERATION: _____

DIMENSION: _____ MACHINE NO: _____

DATE SAMPLED: 12-16-52 NUMBER SAMPLED: _____ COMP. BY: _____

Class Interval	Number Found Within Each Interval			f	d	fd	f(d)²
.0							
.1	I		64	1	-6	-6	36
.2	I		1	1	-5	-5	25
.3	III		3	3	-4	-12	48
.4	II		2	2	-3	-6	18
.5	HHII		0	7	-2	-14	28
.6	HHI	12	13	6	-1	-6	6
.7	HHHHI	220	14	11	0		
.8	HHII	1	13	7	+1	+7	7
.9	III	2	11	3	+2	+6	12
1.0	III	3	8	3	+3	+9	27
1.1	III	4	5	3	+4	+12	48
1.2	II	5	3	2	+5	+10	50
1.3	I	6	2	1	+6	+6	36
1.4	I	7	1	1	+7	+7	49
1.5	I	8	65				
			02				
			01				
			004				
			051				

ci = Class Interval
f = Total Number Within a Class Interval
d = Deviation in Class Units from Selected Origin
N = Total Number Sampled

N = 51 | +57 −49 | 390

Σfd = +8 | Σf(d)²

$\bar{X}$ = _____ σ = _____

$\bar{X} = \text{Origin} \pm \frac{\Sigma fd}{N}(ci)$

Origin = .7

$\frac{\Sigma fd}{N} = \frac{8}{51} = .176$

ci = .1

$\frac{\Sigma fd}{N}(ci) = .017$

$\bar{X} = .7017$

$\sigma = ci\sqrt{\frac{\Sigma f(d)^2}{N} - \left(\frac{\Sigma fd}{N}\right)^2}$

$\frac{\Sigma f(d)^2}{N} = \frac{390}{51} = 7.66$

$-\left(\frac{\Sigma fd}{N}\right)^2 = -(.176)^2 = -.03$

D = 7.63

$\sqrt{D}$ = 2.76

ci = .1

$\sigma = ci\sqrt{D} = .276$

3

2.8

$N\sigma^2$ = _____

ap 1sas

ITEM: Soko - Hand Load OPERATION: _____

DIMENSION: _____ MACHINE NO: _____

DATE SAMPLED: 12-16-52 NUMBER SAMPLED: _____ COMP. BY: E

Class Interval	Number Found Within Each Interval	f	d	fd	f(d)²
0	II	2	-5	-10	50
.1	III	3	-4	-12	48
.2	IIIII	7	-3	-21	63
.3	IIIIIII	8	-2	-16	32
.4	IIII	5	-1	-5	5
.5	IIIIII	8	0		
.6	IIII	4	+1	+4	4
.7	IIII	5	+2	+10	20
.8	III	3	+3	+9	27
.9	III	3	+4	+12	48
1.0	I	1	+5	+5	25
1.1			+6		
1.2			+7		
1.3	I	1	+8	+8	64
1.4					
1.5					
		N= 50		+48 -64	386
				Σfd= -16	Σf(d)²

ci = Class Interval
f = Total Number Within a Class Interval
d = Deviation in Class Units from Selected Origin
N = Total Number Sampled

$\bar{X}$ = _____ σ = _____

$\bar{X} = \text{Origin} \pm \frac{\Sigma fd}{N}(ci)$

Origin = .5

$\frac{\Sigma fd}{N} = \frac{-16}{50} = -.32$

ci = .1

$\frac{\Sigma fd}{N}(ci) = -.032$

$\bar{X} = .468$

$\sigma = ci\sqrt{\frac{\Sigma f(d)^2}{N} - \left(\frac{\Sigma fd}{N}\right)^2}$

$\frac{\Sigma f(d)^2}{N} = \frac{386}{50} = 7.72$

$-\left(\frac{\Sigma fd}{N}\right)^2 = -(\quad)^2 = -.10$

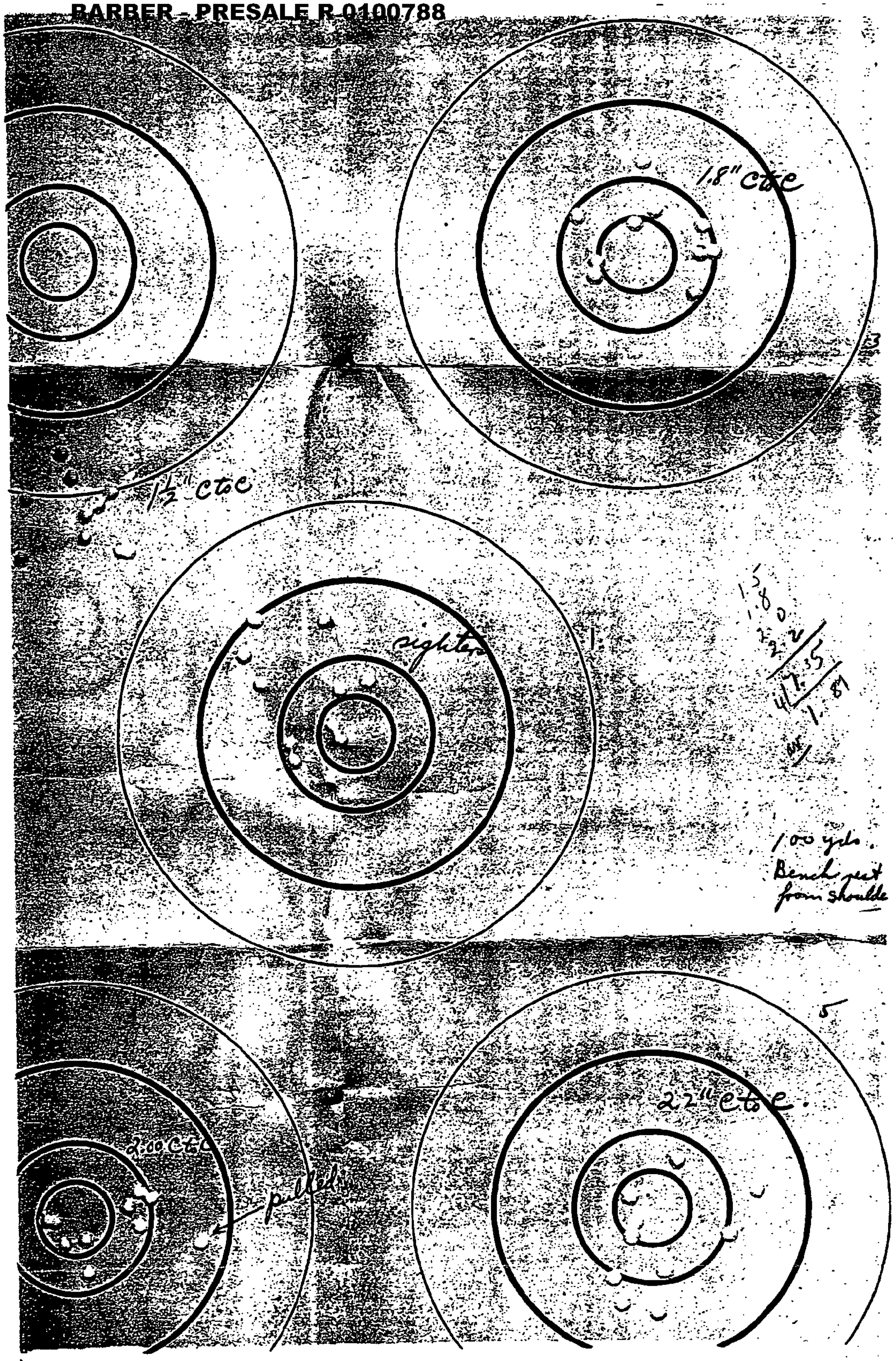
D = 7.62

$\sqrt{D}$ = 2.76

ci = .1

$\sigma = ci\sqrt{D} = .276$

$N\sigma^2$ = _____



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