

C6611549

MODEL 700™ M24

Model **S&S**™

Action

Barrel Length

Capacity

Order No. **5715**

\*Includes 1 in chamber.

*Remington*

M2400078690

CONFIDENTIAL SUBJECT TO PROTECTIVE ORDER

**Remington®**



VERY IMPORTANT:  
Instruction Book  
enclosed to assure  
safe use of this  
firearm.

MODEL 700™ M24

MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

46

SERIAL NO.

C6611549

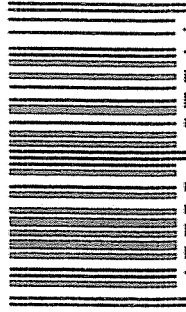
ORDER NO.

5716



5716 C6611549

LPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6611549

| OP. #        | OP. NAME                                                       | READINGS | DATE    | INIT |
|--------------|----------------------------------------------------------------|----------|---------|------|
| 575 &<br>580 | Assemble Action<br>and Stock                                   |          | 2/1/91  | KS   |
| 600          | Proof                                                          |          | 2/1/91  | KS   |
| 607          | Check Headspace                                                |          | 2/1/91  | KS   |
| 610          | Dis-assemble Gun                                               |          | 2/1/91  | KS   |
| 612          | Magnaflux Barrel<br>Action                                     | 2 11 91  |         | Ked  |
|              | Magnaflux Bolt                                                 | 2 11 91  |         | Ked  |
| 615          | Rollmark Caliber                                               | 2 11 91  |         | GB   |
| 617          | Drill and Tap Sight Holes                                      | 2 13 91  |         | WB   |
| 618          | Polish Barrel RBB                                              | 2 13 91  |         | WB   |
| 620          | Apply Coatings<br>(Barrel Action)                              |          | 2/2/91  | KA   |
|              | Apply Coating (Bolt)                                           |          |         | KA   |
| 625          | Final Assembly<br>A) Clean inside of<br>Bolt Assembly          |          | 3/20/91 | KS   |
|              | B) Inspect Rear Firing<br>Pin Hole for Chamfer<br>in Bolt Head |          | 3/20/91 | KS   |
|              | C) Inspect Ejector Hole<br>for Chamfer                         |          | 3/20/91 | KS   |
|              | D) Oil Firing Pin Ass'y                                        |          | 3/20/91 | KS   |
|              | E) Adjust Trigger Pull to<br>Min Setting and Stake             |          | 4-2-91  | DH   |

| op. #        | OP. NAME                                                    | READINGS        |                 |                 |      |      | DATE    | INIT            |
|--------------|-------------------------------------------------------------|-----------------|-----------------|-----------------|------|------|---------|-----------------|
| 625<br>cont. | F) Safety On Force                                          | 4 $\frac{3}{4}$ | 4 $\frac{3}{4}$ | 4 $\frac{1}{4}$ |      |      | 4-2-91  | DH              |
|              | G) Safety Off Force                                         | 2 $\frac{1}{2}$ | 2 $\frac{1}{2}$ | 2 $\frac{1}{2}$ |      |      | 4-2-91  | D/H             |
|              | H) Trigger Pull Test & Retainability                        |                 |                 |                 |      |      | 4-2-91  | D/H             |
|              | I) Firing Pin Indent                                        | .020            | .0225           | .022            |      |      | 4-2-91  | DH              |
|              | J) Assemble Stock                                           |                 |                 |                 |      |      | 4/5/91  | KS              |
|              | K) Assemble Swivel Studs                                    |                 |                 |                 |      |      | 4-11-91 | D/H             |
|              | L) Attach Front and Rear Sight Assemblies                   |                 |                 |                 |      |      | 4/5/91  | KS              |
|              | M) Iron Sight Alignment                                     |                 |                 |                 |      |      | 4/5/91  | KS              |
|              | N) Detach Front & Rear Sights & place in numbered container |                 |                 |                 |      |      | 4/5/91  | KS              |
|              | O) Attach Scope to Rifle                                    |                 |                 |                 |      |      | 4/5/91  | KS              |
|              | P) Detach & Attach Scope 20 Times                           |                 |                 |                 |      |      | 4/5/91  | KS              |
| 640          | Gallery Target & Test                                       |                 |                 |                 |      |      | 4-8-91  | <del>D.H.</del> |
|              | A) Time                                                     |                 |                 |                 |      |      | 4-8-91  | DH              |
|              | B) Malfunctions                                             |                 |                 |                 |      |      | 4-8-91  | AC              |
|              | C) Pierced Primers                                          |                 |                 |                 |      |      | 4-8-91  | AC              |
|              | D) Optical Clarity of Scope                                 |                 |                 |                 |      |      | 4-8-91  | AC              |
| 645          | Inspect for Live Ammo                                       |                 |                 |                 |      |      | 4-8-91  | AC              |
| 655          | Final Inspection                                            |                 |                 |                 |      |      |         |                 |
|              | A) Headspace                                                |                 |                 |                 |      |      | 4-11-91 | D/H             |
|              | B) Trigger Pull                                             | 2.45            | 2.36            | 2.36            | 2.33 | 2.44 | 4/11/91 | DP              |
|              | C) Function                                                 |                 |                 |                 |      |      | 4-11-91 | D/H             |
| 660          | Pack                                                        |                 |                 |                 |      |      | 6-17-91 | NF              |

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS  
2.50# + .50#  
3.00# + .75#  
4.00# + 1.00#

SERIAL NO. C6611549DATE 4-29-1TESTER DH

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |      | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|------|------------------------------------------------------------------------|
| PULL #1 | 2.57             | 2.59                     | 2.49                           | 2.45 | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.58             | 2.62                     | 2.48                           | 2.36 |                                                                        |
| PULL #3 | 2.55             | 2.66                     | 2.60                           | 2.36 |                                                                        |
| PULL #4 | 2.61             | 2.70                     | 2.61                           | 2.33 |                                                                        |
| PULL #5 | 2.63             | 2.60                     | 2.62                           | 2.44 |                                                                        |
| TOTAL   |                  |                          |                                |      |                                                                        |
| AVG.    |                  |                          |                                |      |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 3.11             | 3.16                     |  |          |
| PULL #2 | 3.02             | 3.05                     |  |          |
| PULL #3 | 3.28             | 3.08                     |  |          |
| PULL #4 | 3.10             | 3.14                     |  |          |
| PULL #5 | 3.33             | 3.06                     |  |          |
| TOTAL   |                  |                          |  |          |
| AVG.    |                  |                          |  |          |

|         | 4.00#<br>INITIAL | 4.00# AFTER<br>20 CYCLES | MAX SETTING<br>GREATER THAN 4# | RESET TO 4# FOR<br>TARGET & ACCURACY |
|---------|------------------|--------------------------|--------------------------------|--------------------------------------|
| PULL #1 | 4.36             | 4.02                     |                                | 4.07                                 |
| PULL #2 | 4.39             | 4.42                     |                                | 4.06                                 |
| PULL #3 | 4.21             | 4.43                     |                                | 4.06                                 |
| PULL #4 | 4.37             | 4.46                     |                                | 4.02                                 |
| PULL #5 | 4.31             | 4.30                     |                                | 4.05                                 |
| TOTAL   |                  |                          |                                |                                      |
| AVG.    |                  |                          |                                |                                      |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # C6611549  
8 Apr 1991

CENTROIDAL DISTANCES

|        |         |
|--------|---------|
| 0 TO 1 | .260864 |
| 1 TO 2 | .108784 |
| 1 TO 3 | .300242 |
| 1 TO 4 | .460943 |
| 1 TO 5 | .397005 |

4.3  
5 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1212  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0976  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .155612

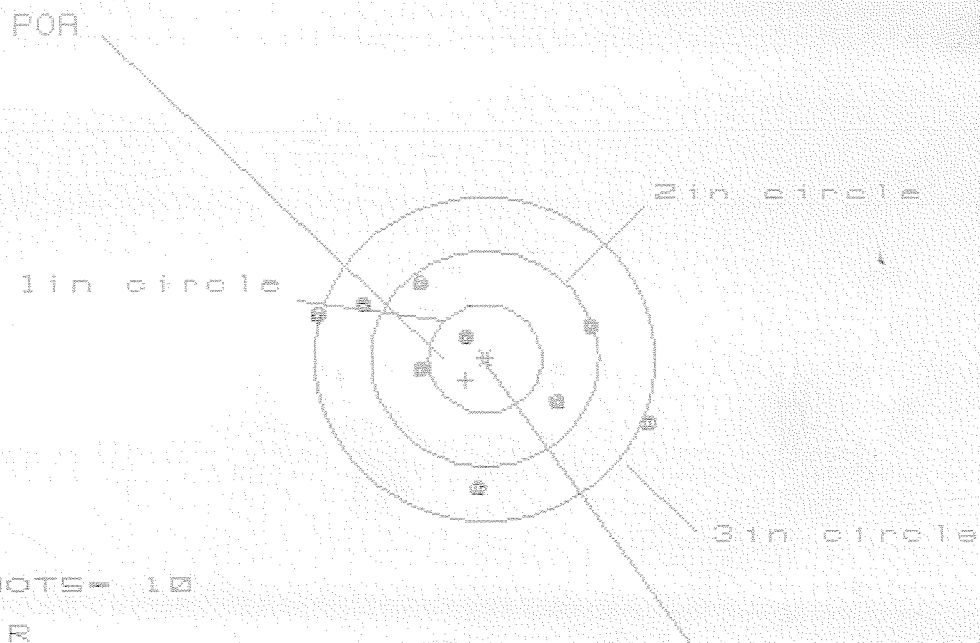
THE AMR FOR THIS RIFLE IS: 1.007

8 Apr 1991

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# CENTERFIRE PATTERNS

# 1



# OF SHOTS= 10

# IN CIR

1in = 1

2in = 5

3in = 8

HS= 2.926

VS= 1.844

GS= 3.077

| PATTERN #                     | 1      | 2      | 3      |
|-------------------------------|--------|--------|--------|
| SHOTS (BEST OF)               | 10     | 9      | 8      |
| MAXIMUM X                     | 1.471  | 1.086  | .924   |
| MINIMUM X                     | -1.455 | -1.291 | -1.046 |
| MAXIMUM Y                     | .666   | .602   | .641   |
| MINIMUM Y                     | -1.178 | -1.242 | -1.203 |
| CENTROID X                    | .171   | .007   | .169   |
| CENTROID Y                    | .197   | .261   | .222   |
| POA TO CENTROID in.           | .261   | .261   | .278   |
| MIN RADIUS                    | .300   | .154   | .282   |
| MEAN RADIUS                   | .987   | .892   | .847   |
| MAX RADIUS                    | 1.579  | 1.329  | 1.207  |
| HORIZONTAL SPREAD             | 2.926  | 2.377  | 1.971  |
| VERTICAL SPREAD               | 1.844  | 1.844  | 1.844  |
| EXTREME SPREAD                | 3.077  | 2.380  | 1.987  |
| NUMBER IN ONE INCH CIRCLE =   | 1      |        |        |
| NUMBER IN TWO INCH CIRCLE =   |        | 6      |        |
| NUMBER IN THREE INCH CIRCLE = |        |        | 8      |

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# CENTERFIRE PATTERNS

# 2

POA

1 in circle

2 in circle

3 in circle

# OF SHOTS- 10

# IN CIR

1 in = 2

2 in = 5

3 in = 8

HS= 2.032

VS= 3.235

GS= 3.546

CENTROID #

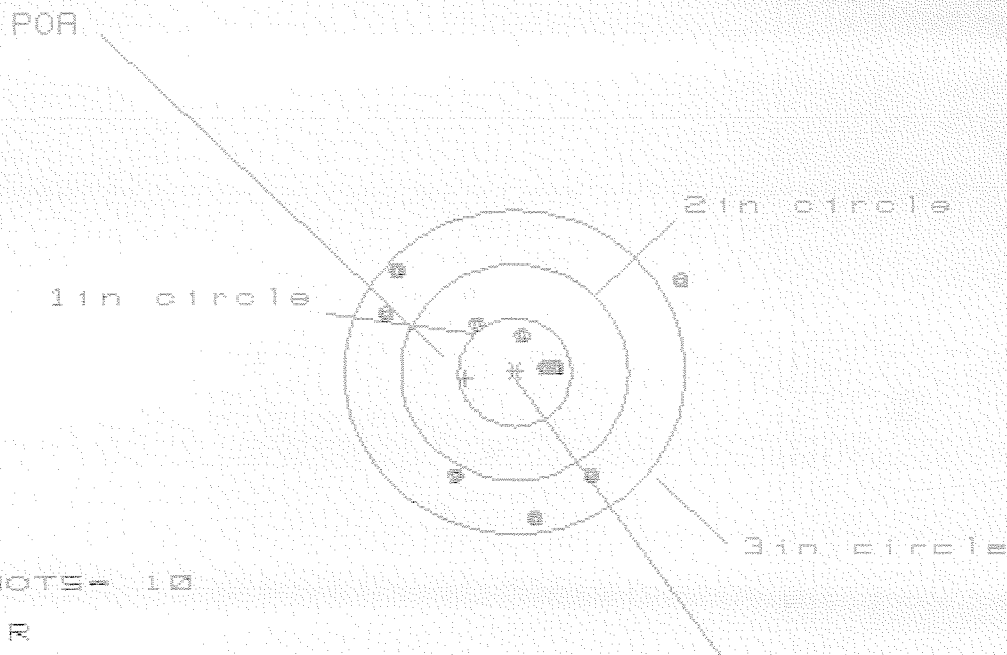
|                             |   |        |        |        |
|-----------------------------|---|--------|--------|--------|
| PATTERN #                   | : | 2      |        |        |
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.159  | .833   | .813   |
| MINIMUM X                   | : | -.873  | -.744  | -.764  |
| MAXIMUM Y                   | : | 1.575  | 1.251  | 1.066  |
| MINIMUM Y                   | : | -1.660 | -1.485 | -1.113 |
| CENTROID X                  | : | .118   | -.011  | .009   |
| CENTROID Y                  | : | .292   | .117   | .302   |
| POA TO CENTROID in.         | : | .315   | .117   | .303   |
| MIN RADIUS                  | : | .457   | .485   | .423   |
| MEAN RADIUS                 | : | 1.000  | .892   | .789   |
| MAX RADIUS                  | : | 1.956  | 1.494  | 1.128  |
| HORIZONTAL SPREAD           | : | 2.032  | 1.577  | 1.577  |
| VERTICAL SPREAD             | : | 3.235  | 2.736  | 2.178  |
| EXTREME SPREAD              | : | 3.546  | 2.736  | 2.204  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 2      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 5      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 8      |        |



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# CENTERFIRE PATTERNS # 3



# OF SHOTS = 10

# IN CIR

1in = 3

2in = 4

3in = 9

HS = 2.573

VS = 2.390

GS = 2.726

CENTROID \*

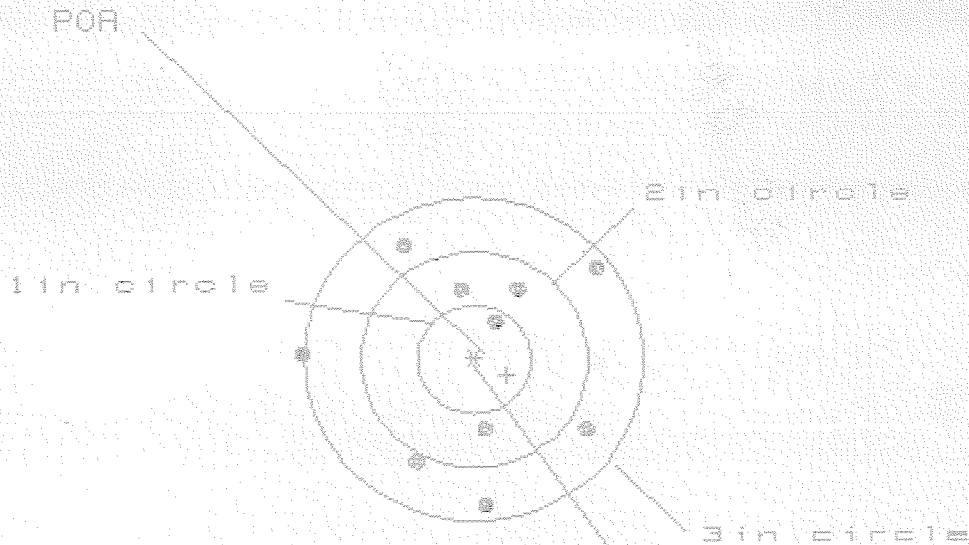
|                             |   |        |        |        |
|-----------------------------|---|--------|--------|--------|
| PATTERN #                   | : | 3      |        |        |
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.453  | .855   | .743   |
| MINIMUM X                   | : | -1.120 | -.958  | -1.070 |
| MAXIMUM Y                   | : | .987   | 1.086  | .763   |
| MINIMUM Y                   | : | -1.403 | -1.304 | -1.168 |
| CENTROID X                  | : | .435   | .273   | .385   |
| CENTROID Y                  | : | .054   | -.045  | -.181  |
| POR TO CENTROID in.         | : | .438   | .277   | .425   |
| MIN RADIUS                  | : | .261   | .437   | .398   |
| MEAN RADIUS                 | : | .972   | .912   | .845   |
| MAX RADIUS                  | : | 1.707  | 1.408  | 1.314  |
| HORIZONTAL SPREAD           | : | 2.573  | 1.813  | 1.813  |
| VERTICAL SPREAD             | : | 2.390  | 2.390  | 1.931  |
| EXTREME SPREAD              | : | 2.726  | 2.706  | 2.372  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 3      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 4      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 9      |        |

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# CENTERFIRE PATTERNS

# 4



# OF SHOTS= 10

# IN CIR

1in = 1

2in = 4

3in = 10

HS= 2.525

VS= 2.348

GS= 2.632

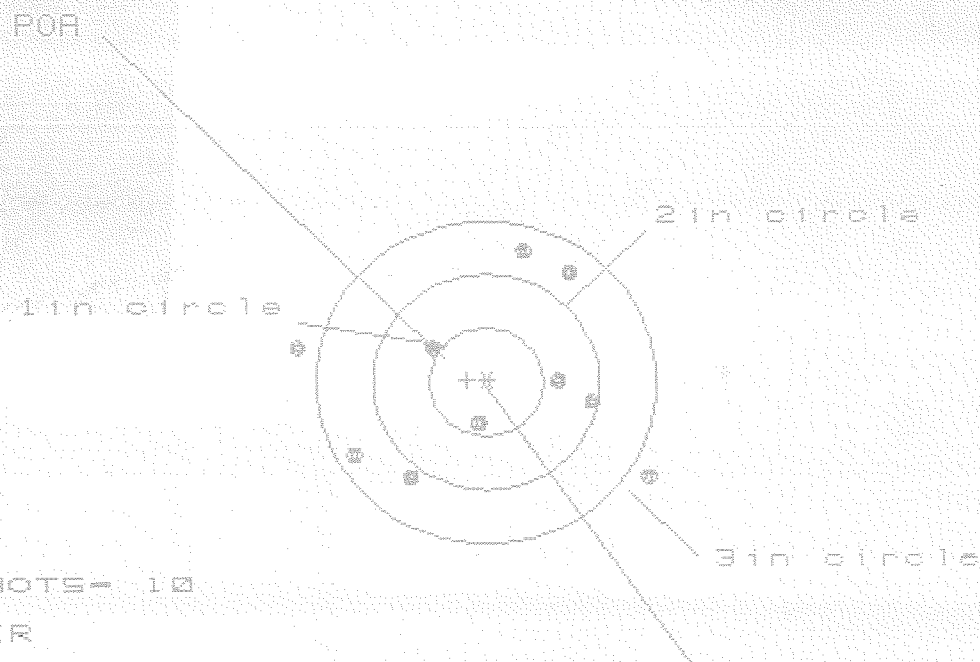
CENTROID #

| PATTERN #                     | 10     | 9      | 8      |
|-------------------------------|--------|--------|--------|
| SHOTS (BEST OF)               |        |        |        |
| MAXIMUM X                     | 1.062  | .899   | .913   |
| MINIMUM X                     | -1.464 | -.738  | -.626  |
| MAXIMUM Y                     | 1.043  | 1.050  | 1.153  |
| MINIMUM Y                     | -1.305 | -1.298 | -1.195 |
| CENTROID X                    | -.287  | -.124  | -.236  |
| CENTROID Y                    | .145   | .138   | .035   |
| POA TO CENTROID in.           | .321   | .185   | .239   |
| MIN RADIUS                    | .370   | .346   | .459   |
| MEAN RADIUS                   | .994   | .928   | .894   |
| MAX RADIUS                    | 1.465  | 1.382  | 1.312  |
| HORIZONTAL SPREAD             | 2.525  | 1.637  | 1.539  |
| VERTICAL SPREAD               | 2.348  | 2.348  | 2.348  |
| EXTREME SPREAD                | 2.632  | 2.431  | 2.431  |
| NUMBER IN ONE INCH CIRCLE =   |        | 1      |        |
| NUMBER IN TWO INCH CIRCLE =   |        | 4      |        |
| NUMBER IN THREE INCH CIRCLE = |        | 10     |        |

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# CENTERFIRE PATTERNS # 5



# OF SHOTS= 10

# IN CIR

1in = 1

2in = 4

3in = 8

HS= 3.116

VS= 2.099

GS= 3.330

CENTROID \*

| PATTERN #                   |   | 10     | 9      | 8      |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             |   | 10     | 9      | 8      |
| MAXIMUM X                   |   | 1.471  | 1.047  | .862   |
| MINIMUM X                   |   | -1.645 | -1.481 | -1.188 |
| MAXIMUM Y                   |   | 1.247  | 1.153  | 1.181  |
| MINIMUM Y                   |   | -.852  | -.943  | -.915  |
| CENTROID X                  |   | .169   | .005   | .191   |
| CENTROID Y                  |   | -.020  | .074   | .046   |
| POA TO CENTROID in.         |   | .170   | .075   | .196   |
| MIN RADIUS                  |   | .374   | .378   | .444   |
| MEAN RADIUS                 |   | 1.081  | 1.009  | .930   |
| MAX RADIUS                  |   | 1.700  | 1.499  | 1.408  |
| HORIZONTAL SPREAD           |   | 3.116  | 2.528  | 2.049  |
| VERTICAL SPREAD             |   | 2.099  | 2.096  | 2.096  |
| EXTREME SPREAD              |   | 3.330  | 2.568  | 2.513  |
| NUMBER IN ONE INCH CIRCLE   | = | 1      |        |        |
| NUMBER IN TWO INCH CIRCLE   | = | 4      |        |        |
| NUMBER IN THREE INCH CIRCLE | = | 8      |        |        |