

C6349215

MODEL 700<sup>TM</sup> M24

Model **SMS**<sup>TM</sup>

Action

Barrel Length

Capacity

Order No. **5716**

\*Includes 1 in chamber.



**Remington**  
REG. U.S. PAT. & TM. OFF.

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

**MODEL 700™ H24**

**SERIAL NO. C6349215**

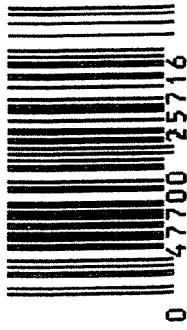
**ORDER NO. 5716**

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

Ø1

5716 C6349215

UPC



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6349215

| OP. #        | OP. NAME                                                       | READINGS | DATE    | INIT |
|--------------|----------------------------------------------------------------|----------|---------|------|
| 575 &<br>580 | Assemble Action<br>and Stock                                   | 12-20 89 |         | RW   |
| 600          | Proof                                                          | 12-20 89 |         | A    |
| 607          | Check Headspace                                                |          |         | A    |
| 610          | Dis-assemble Gun                                               | 12-20 89 |         | RW   |
| 612          | Magnaflux Barrel<br>Action                                     | 1-5-90   |         | KCR  |
|              | Magnaflux Bolt                                                 | 1-5-90   |         |      |
| 615          | Rollmark Caliber                                               |          | 1/3/90  | JS   |
| 617          | Drill and Tap Sight Holes                                      |          | 1/8/90  | FB   |
| 618          | Polish Barrel RB                                               |          | 1/9/90  | WB   |
| 620          | Apply Coatings<br>(Barrel Action)                              |          | 1-15-90 | TA   |
|              | Apply Coating (Bolt)                                           |          |         |      |
| 625          | Final Assembly<br>A) Clean inside of<br>Bolt Assembly          |          | 1/16/90 | WB   |
|              | B) Inspect Rear Firing<br>Pin Hole for Chamfer<br>in Bolt Head |          |         |      |
|              | C) Inspect Ejector Hole<br>for Chamfer                         |          |         |      |
|              | D) Oil Firing Pin Ass'y                                        |          |         |      |
|              | E) Adjust Trigger Pull to<br>Min Setting and Stake             |          | 2/1/90  | JS   |

| op. #        | OP. NAME                                                    | READINGS |      |       |      |      | DATE      | INIT                 |
|--------------|-------------------------------------------------------------|----------|------|-------|------|------|-----------|----------------------|
| 625<br>cont. | F) Safety On Force                                          | 5        | 5    | 5     |      |      | 1-25-90   | gcl                  |
|              | G) Safety Off Force                                         | 2        | 2    | 2     |      |      | 1-25-90   | gcl                  |
|              | H) Trigger Pull Test & Retainability                        |          |      |       |      |      | 2/1/90    | gcl                  |
|              | I) Firing Pin Indent                                        | .023     | .023 | .0235 |      |      | 1-25-90   | gcl                  |
|              | J) Assemble Stock                                           |          |      |       |      |      | 1-29-90   | K                    |
|              | K) Assemble Swivel Studs                                    |          |      |       |      |      | 3/12/90   | WB                   |
|              | L) Attach Front and Rear Sight Assemblies                   |          |      |       |      |      | 1-29-90   | K                    |
|              | M) Iron Sight Alignment                                     |          |      |       |      |      | 1-29-90   | K                    |
|              | N) Detach Front & Rear Sights & place in numbered container |          |      |       |      |      | 1-29-90   | K                    |
|              | O) Attach Scope to Rifle                                    |          |      |       |      |      | 2/28/90   | WB                   |
|              | P) Detach & Attach Scope 20 Times                           |          |      |       |      |      | 2/28/90   | WB                   |
| 640          | Gallery Target & Test                                       |          |      |       |      |      | 3-1-90    | (Temp. Help)<br>J.B. |
|              | A) Time                                                     |          |      |       |      |      |           |                      |
|              | B) Malfunctions                                             |          |      |       |      |      |           |                      |
|              | C) Pierced Primers                                          |          |      |       |      |      |           |                      |
|              | D) Optical Clarity of Scope                                 |          |      |       |      |      |           |                      |
| 645          | Inspect for Live Ammo                                       |          |      |       |      |      |           |                      |
| 655          | Final Inspection                                            |          |      |       |      |      | 3/12/90   | WB                   |
|              | A) Headspace                                                |          |      |       |      |      |           |                      |
|              | B) Trigger Pull                                             | 2.75     | 2.86 | 2.85  | 2.73 | 2.72 | 3/12/90   | GS                   |
|              | C) Function                                                 |          |      |       |      |      | 3/12/90   | WB                   |
| 660          | Pack                                                        |          |      |       |      |      | 20 Mar 90 | gcl                  |

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6349215

DATE 24 Jan 90

TESTER JRS

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |      | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|------|------------------------------------------------------------------------|
| PULL #1 | 2.17             | 2.07                     | 2.18                           | 2.75 | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.38             | 2.01                     | 2.17                           | 2.86 |                                                                        |
| PULL #3 | 2.28             | 2.34                     | 2.33                           | 2.85 |                                                                        |
| PULL #4 | 2.37             | 2.24                     | 2.23                           | 2.73 |                                                                        |
| PULL #5 | 2.32             | 2.20                     | 2.17                           | 2.72 |                                                                        |
| TOTAL   | 11.52            | 10.91                    | 11.05                          |      |                                                                        |
| AVG.    | 2.304            | 2.182                    | 2.21                           |      |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 3.13             | 3.22                     |  |          |
| PULL #2 | 3.41             | 3.20                     |  |          |
| PULL #3 | 3.38             | 3.19                     |  |          |
| PULL #4 | 3.41             | 3.15                     |  |          |
| PULL #5 | 3.37             | 3.09                     |  |          |
| TOTAL   | 16.70            | 15.85                    |  |          |
| AVG.    | 3.34             | 3.17                     |  |          |

|         | 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 | 4.02             | 3.92                     |                                | 3.84                                 |
| PULL #2 | 4.17             | 3.82                     |                                | 3.98                                 |
| PULL #3 | 4.10             | 3.93                     |                                | 4.07                                 |
| PULL #4 | 4.07             | 4.07                     |                                | 4.10                                 |
| PULL #5 | 4.14             | 3.87                     |                                | 3.99                                 |
| TOTAL   | 20.50            | 19.61                    |                                | 19.98                                |
| AVG.    | 4.10             | 3.922                    |                                | 3.996                                |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # C6349215  
1 Mar 1990

CENTROIDAL DISTANCES

|      |   |         |
|------|---|---------|
| 0 TO | 1 | .473334 |
| 1 TO | 2 | .266177 |
| 1 TO | 3 | .639866 |
| 1 TO | 4 | .913081 |
| 1 TO | 5 | .156003 |

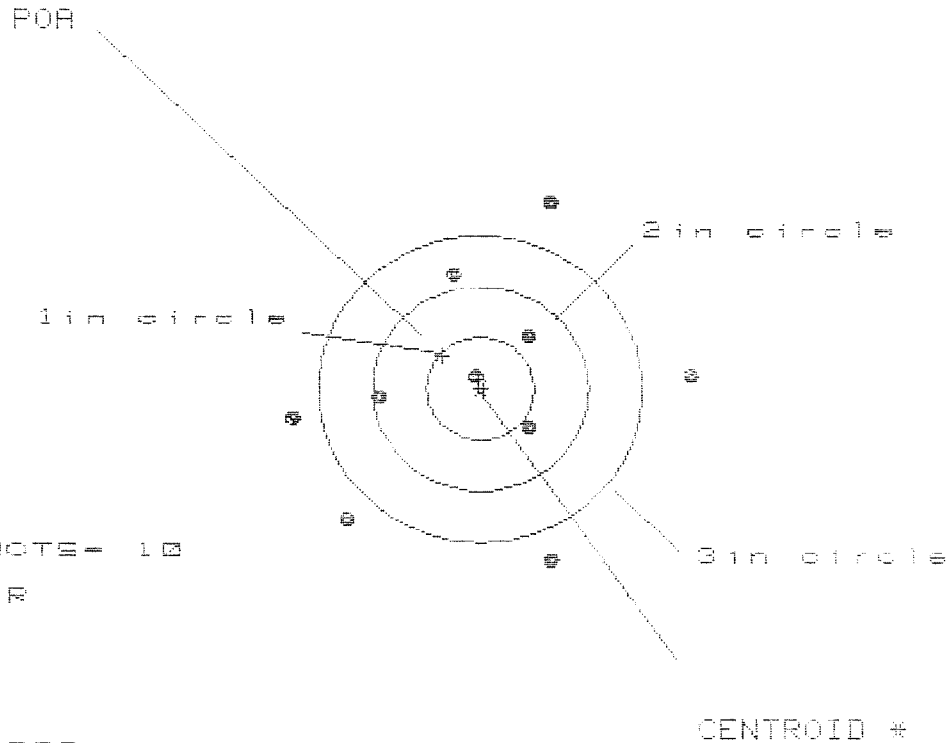
4  $\frac{3}{5}$  <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0744  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.191  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .204979  
THE AMR FOR THIS RIFLE IS: 1.103

1 Mar 1998

FILE:/PATTERNING/CENTERFIRE\_PATT/08349215

## CENTERFIRE PATTERNS # 1



# OF SHOTS = 10

# IN CIR

1in = 1

2in = 4

3in = 5

HS = 3.693

VS = 3.460

ES = 3.707

CENTROID \*

| PATTERN #                     | 1      | 2      | 3      |
|-------------------------------|--------|--------|--------|
| SHOTS (BEST OF)               | 10     | 9      | 8      |
| MAXIMUM X                     | 1.938  | .839   | .929   |
| MINIMUM X                     | -1.755 | -1.540 | -1.435 |
| MAXIMUM Y                     | 1.818  | 1.829  | 1.401  |
| MINIMUM Y                     | -1.642 | -1.631 | -1.403 |
| CENTROID X                    | .346   | .131   | .026   |
| CENTROID Y                    | -.323  | -.334  | -.563  |
| POA TO CENTROID in.           | .473   | .359   | .563   |
| MIN RADIUS                    | .101   | .231   | .458   |
| MEAN RADIUS                   | 1.269  | 1.199  | 1.111  |
| MAX RADIUS                    | 1.940  | 2.012  | 1.682  |
| HORIZONTAL SPREAD             | 3.693  | 2.379  | 2.364  |
| VERTICAL SPREAD               | 3.460  | 3.460  | 2.903  |
| EXTREME SPREAD                | 3.707  | 3.641  | 2.919  |
| NUMBER IN ONE INCH CIRCLE =   | 1      |        |        |
| NUMBER IN TWO INCH CIRCLE =   | 4      |        |        |
| NUMBER IN THREE INCH CIRCLE = | 5      |        |        |

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## CENTERFIRE PATTERNS # 2

POA

1in circle

2in circle

3in circle

CENTROID \*

# OF SHOTS = 10

# IN CIR

1in = 0

2in = 6

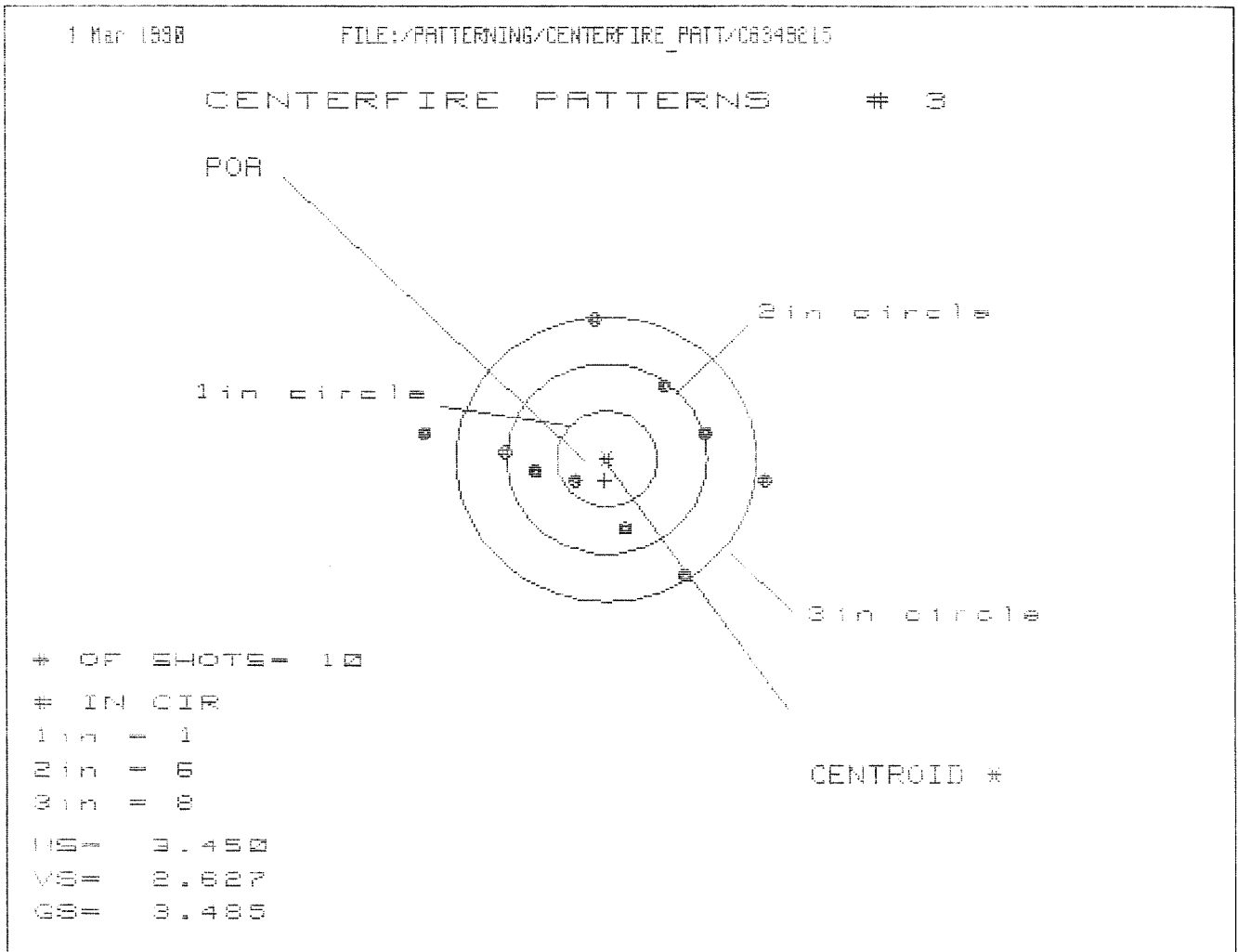
3in = 9

HB = 1.947

VB = 3.311

GB = 3.377

| PATTERN #                   | : | 2      |       |       |
|-----------------------------|---|--------|-------|-------|
| SHOTS (BEST OF)             | : | 10     | 9     | 8     |
| MAXIMUM X                   | : | .988   | .974  | .983  |
| MINIMUM X                   | : | -1.047 | -.973 | -.964 |
| MAXIMUM Y                   | : | 1.188  | .952  | .803  |
| MINIMUM Y                   | : | -2.123 | -.855 | -.737 |
| CENTROID X                  | : | .371   | .297  | .288  |
| CENTROID Y                  | : | -.858  | .177  | .059  |
| POA TO CENTROID in.         | : | .376   | .346  | .294  |
| MIN RADIUS                  | : | .634   | .516  | .590  |
| MEAN RADIUS                 | : | 1.024  | .838  | .829  |
| MAX RADIUS                  | : | 2.225  | 1.257 | 1.189 |
| HORIZONTAL SPREAD           | : | 1.947  | 1.947 | 1.947 |
| VERTICAL SPREAD             | : | 3.311  | 1.807 | 1.540 |
| EXTREME SPREAD              | : | 3.377  | 2.030 | 2.030 |
| NUMBER IN ONE INCH CIRCLE   | = |        | 0     |       |
| NUMBER IN TWO INCH CIRCLE   | = |        | 6     |       |
| NUMBER IN THREE INCH CIRCLE | = |        | 9     |       |



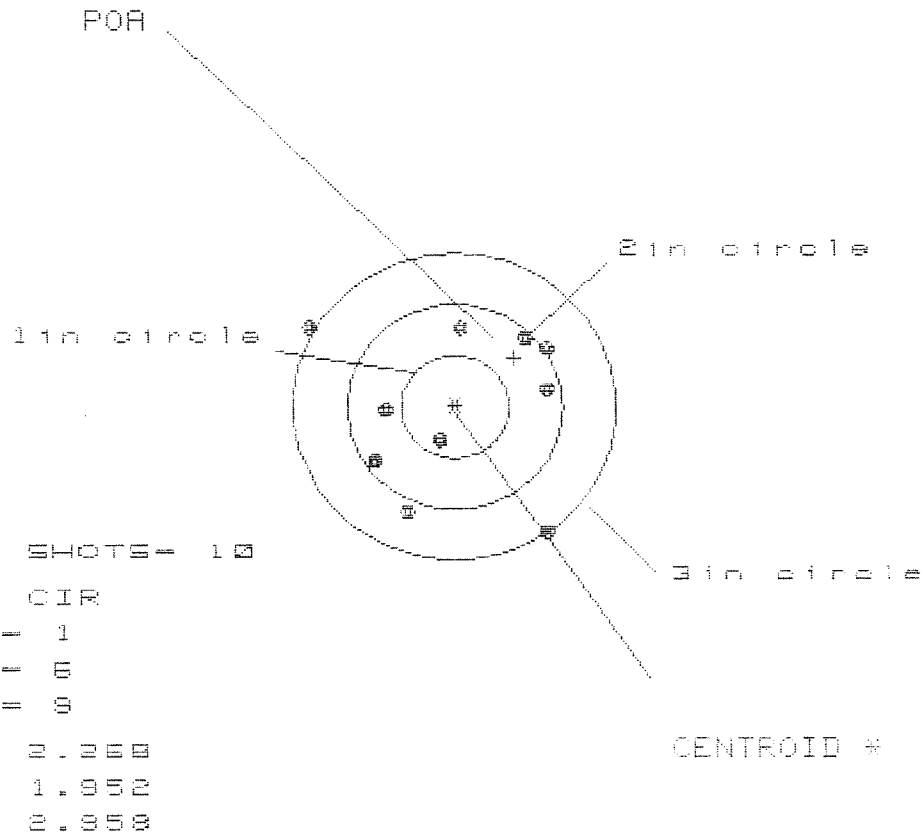
| PATTERN #                   | 3      |
|-----------------------------|--------|
| SHOTS (BEST OF)             | 10     |
| MAXIMUM X                   | 1.595  |
| MINIMUM X                   | -1.855 |
| MAXIMUM Y                   | 1.440  |
| MINIMUM Y                   | -1.187 |
| CENTROID X                  | .019   |
| CENTROID Y                  | .227   |
| POA TO CENTROID in.         | .228   |
| MIN RADIUS                  | .456   |
| MEAN RADIUS                 | 1.126  |
| MAX RADIUS                  | 1.869  |
| HORIZONTAL SPREAD           | 3.450  |
| VERTICAL SPREAD             | 2.627  |
| EXTREME SPREAD              | 3.485  |
| NUMBER IN ONE INCH CIRCLE   | = 1    |
| NUMBER IN TWO INCH CIRCLE   | = 6    |
| NUMBER IN THREE INCH CIRCLE | = 8    |

1 Mar 1998

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## CENTERFIRE PATTERNS

# 4



| PATTERN #                   | : | 4      |        |        |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | .880   | .726   | .811   |
| MINIMUM X                   | : | -1.388 | -.894  | -.809  |
| MAXIMUM Y                   | : | .779   | .848   | .712   |
| MINIMUM Y                   | : | -1.173 | -1.086 | -1.040 |
| CENTROID X                  | : | -.554  | -.400  | -.485  |
| CENTROID Y                  | : | -.477  | -.564  | -.428  |
| POA TO CENTROID in.         | : | .731   | .691   | .647   |
| MIN RADIUS                  | : | .360   | .383   | .434   |
| MEAN RADIUS                 | : | .967   | .894   | .830   |
| MAX RADIUS                  | : | 1.591  | 1.282  | 1.148  |
| HORIZONTAL SPREAD           | : | 2.268  | 1.620  | 1.620  |
| VERTICAL SPREAD             | : | 1.952  | 1.934  | 1.752  |
| EXTREME SPREAD              | : | 2.958  | 2.071  | 2.007  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 1      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 6      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 9      |        |

1 Mar 1988

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## CENTERFIRE PATTERNS # 5

POR

1 in circle

2 in circle

3 in circle

CENTROID \*

# OF SHOTS = 10

# IN CIR

1 in = 1

2 in = 4

3 in = 8

IS = 3.128

VS = 1.809

GS = 3.387

| PATTERN #                   | : | 5      |        |        |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.432  | 1.244  | 1.322  |
| MINIMUM X                   | : | -1.696 | -1.642 | -1.487 |
| MAXIMUM Y                   | : | .896   | .939   | .831   |
| MINIMUM Y                   | : | -.913  | -.870  | -.916  |
| CENTROID X                  | : | .190   | .378   | .223   |
| CENTROID Y                  | : | -.324  | -.367  | -.259  |
| POR TO CENTROID in.         | : | .376   | .527   | .341   |
| MIN RADIUS                  | : | .241   | .119   | .198   |
| MEAN RADIUS                 | : | 1.127  | 1.029  | .966   |
| MAX RADIUS                  | : | 1.739  | 1.673  | 1.547  |
| HORIZONTAL SPREAD           | : | 3.128  | 2.886  | 2.809  |
| VERTICAL SPREAD             | : | 1.809  | 1.809  | 1.747  |
| EXTREME SPREAD              | : | 3.387  | 2.938  | 2.821  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 1      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 4      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 8      |        |