

C6636146

MODEL 700™ M24

Model **SMS**™

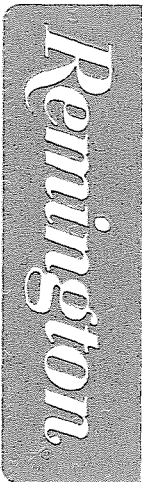
Action

Barrel Length

Capacity

Order No. **5716**

\*Includes 1 in chamber.



**Remington®**



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

**MODEL 700™ H24**

**20**

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



5716 C6636146

**UPC**



0 47700 25716 7

**SERIAL NO.**

**C6636146**

**ORDER NO.**

**5716**

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 6636146

| OP. #        | OP. NAME                                                       | READINGS | DATE    | INIT |
|--------------|----------------------------------------------------------------|----------|---------|------|
| 575 &<br>580 | Assemble Action<br>and Stock                                   |          | 5/3/91  | KS   |
| 600          | Proof                                                          |          | 5/3/91  | KS   |
| 607          | Check Headspace                                                |          | 5/3/91  | KS   |
| 610          | Dis-assemble Gun                                               |          | 5/3/91  | KS   |
| 612          | Magnaflux Barrel<br>Action                                     | 5 6 9 1  |         | KCD  |
|              | Magnaflux Bolt                                                 | 5 6 9 1  |         | KCD  |
| 615          | Rollmark Caliber                                               | 5 6 9 1  |         | GB   |
| 617          | Drill and Tap Sight Holes                                      | 5 15 9 1 |         | LB   |
| 618          | Polish Barrel                                                  | 5 15 9 1 |         | WB   |
| 620          | Apply Coatings<br>(Barrel Action)                              |          | 5-25-91 | TH   |
|              | Apply Coating (Bolt)                                           |          | 5-25-91 | TH   |
| 625          | Final Assembly<br>A) Clean inside of<br>Bolt Assembly          |          | 5/30/91 | KS   |
|              | B) Inspect Rear Firing<br>Pin Hole for Chamfer<br>in Bolt Head |          | 5/30/91 | KS   |
|              | C) Inspect Ejector Hole<br>for Chamfer                         |          | 5/30/91 | KS   |
|              | D) Oil Firing Pin Ass'y                                        |          | 5/30/91 | KS   |
|              | E) Adjust Trigger Pull to<br>Min Setting and Stake             |          | 6/3/91  | JP   |

| op. #        | OP. NAME                                                    | READINGS |       |       |      |      | DATE    | INIT |
|--------------|-------------------------------------------------------------|----------|-------|-------|------|------|---------|------|
| 625<br>cont. | F) Safety On Force                                          | 6        | 6     | 6     |      |      | 6/3/91  | SL   |
|              | G) Safety Off Force                                         | 3        | 3     | 3     |      |      | 6/3/91  | SL   |
|              | H) Trigger Pull Test & Retainability                        |          |       |       |      |      | 6/3/91  | SL   |
|              | I) Firing Pin Indent                                        | .021     | .0225 | .0225 |      |      | 6/3/91  | SL   |
|              | J) Assemble Stock                                           |          |       |       |      |      | 6/4/91  | KS   |
|              | K) Assemble Swivel Studs                                    |          |       |       |      |      | 6-8-91  | D/H  |
|              | L) Attach Front and Rear Sight Assemblies                   |          |       |       |      |      | 6/4/91  | KS   |
|              | M) Iron Sight Alignment                                     |          |       |       |      |      | 6/4/91  | KS   |
|              | N) Detach Front & Rear Sights & place in numbered container |          |       |       |      |      | 6/4/91  | KS   |
|              | O) Attach Scope to Rifle                                    |          |       |       |      |      | 6/4/91  | KS   |
|              | P) Detach & Attach Scope 20 Times                           |          |       |       |      |      | 6/4/91  | KS   |
| 640          | Gallery Target & Test                                       |          |       |       |      |      | 6-5-91  | D/H  |
|              | A) Time                                                     |          |       |       |      |      | 6-5-91  | D/H  |
|              | B) Malfunctions                                             |          |       |       |      |      | 6-5-91  | D/H  |
|              | C) Pierced Primers                                          |          |       |       |      |      | 6-5-91  | D/H  |
|              | D) Optical Clarity of Scope                                 |          |       |       |      |      | 6-5-91  | D/H  |
| 645          | Inspect for Live Ammo                                       |          |       |       |      |      | 6-5-91  | D/H  |
| 655          | Final Inspection<br>A) Headspace                            |          |       |       |      |      | 6-8-91  | D/H  |
|              | B) Trigger Pull                                             | 2.16     | 2.16  | 2.18  | 2.17 | 2.17 | 6-8-91  | SL   |
|              | C) Function                                                 |          |       |       |      |      | 6-8-91  | D/H  |
| 660          | Pack                                                        |          |       |       |      |      | 6-20-91 | AF   |

SWS TRIGGER PULL TEST

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

SERIAL NO. C6636146

DATE 6-3-91

TESTER JH

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |      | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|------|------------------------------------------------------------------------|
| PULL #1 | 2.26             | 2.31                     | 2.40                           | 2.16 | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.21             | 2.31                     | 2.38                           | 2.16 |                                                                        |
| PULL #3 | 2.21             | 2.33                     | 2.30                           | 2.18 |                                                                        |
| PULL #4 | 2.28             | 2.30                     | 2.33                           | 2.17 |                                                                        |
| PULL #5 | 2.25             | 2.33                     | 2.31                           | 2.17 |                                                                        |
| TOTAL   |                  |                          |                                |      |                                                                        |
| AVG.    |                  |                          |                                |      |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 3.19             | 3.36                     |  |          |
| PULL #2 | 3.22             | 3.27                     |  |          |
| PULL #3 | 3.30             | 3.28                     |  |          |
| PULL #4 | 3.24             | 3.32                     |  |          |
| PULL #5 | 3.34             | 3.34                     |  |          |
| 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 | 4.28             | 4.37                     |                                | 4.44                                 |
| PULL #2 | 4.20             | 4.40                     |                                | 4.41                                 |
| PULL #3 | 4.12             | 4.40                     |                                | 4.35                                 |
| PULL #4 | 4.26             | 4.38                     |                                | 4.44                                 |
| PULL #5 | 4.29             | 4.49                     |                                | 4.48                                 |
| TOTAL   |                  |                          |                                |                                      |
| AVG.    |                  |                          |                                |                                      |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # C6636146  
5 Jun 1991

CENTROIDAL DISTANCES

|      |   |         |
|------|---|---------|
| 0 TO | 1 | .2328   |
| 1 TO | 2 | .152611 |
| 1 TO | 3 | .380841 |
| 1 TO | 4 | .15742  |
| 1 TO | 5 | .200422 |

4/3 <----POA

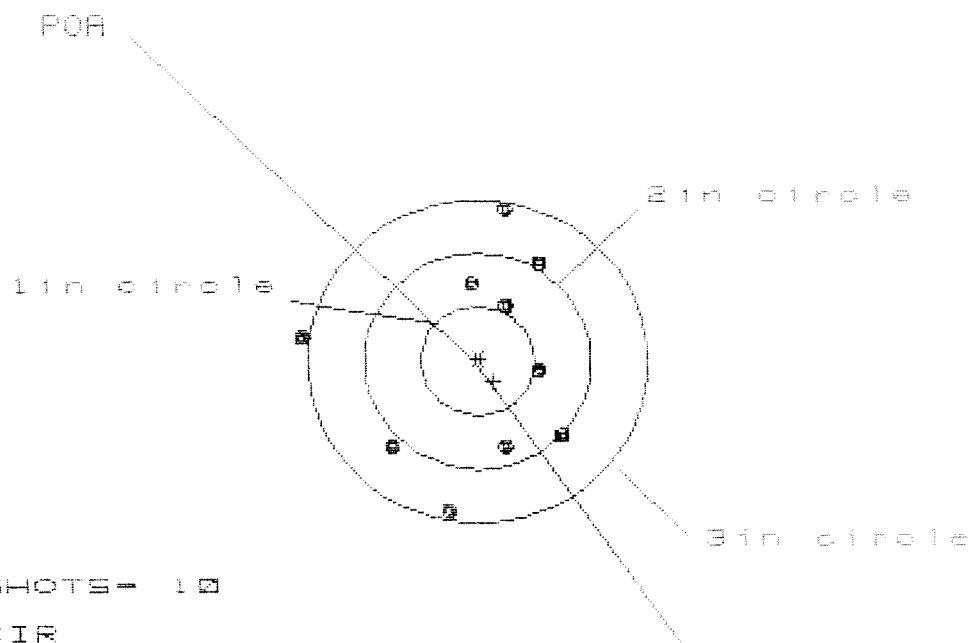
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0656  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0648  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0922035

THE AMR FOR THIS RIFLE IS: .921

5 Jun 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/C6696146

# CENTERFIRE PATTERNS # 1



# OF SHOTS= 10

# IN CIR

1 in = 0

2 in = 4

3 in = 9

HS= 2.277

VS= 2.738

GS= 2.797

CENTROID #

| PATTERN #                   | : | 1      | 9      | 8      |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | .763   | .595   | .608   |
| MINIMUM X                   | : | -1.514 | -.901  | -.888  |
| MAXIMUM Y                   | : | 1.375  | 1.401  | 1.134  |
| MINIMUM Y                   | : | -1.363 | -1.337 | -1.162 |
| CENTROID X                  | : | -.140  | .028   | .015   |
| CENTROID Y                  | : | .186   | .160   | -.015  |
| POA TO CENTROID in.         | : | .233   | .163   | .021   |
| MIN RADIUS                  | : | .539   | .404   | .429   |
| MEAN RADIUS                 | : | 1.024  | .939   | .876   |
| MAX RADIUS                  | : | 1.532  | 1.415  | 1.246  |
| HORIZONTAL SPREAD           | : | 2.277  | 1.496  | 1.496  |
| VERTICAL SPREAD             | : | 2.738  | 2.738  | 2.296  |
| EXTREME SPREAD              | : | 2.797  | 2.797  | 2.440  |
| NUMBER IN ONE INCH CIRCLE   | = | 0      |        |        |
| NUMBER IN TWO INCH CIRCLE   | = | 4      |        |        |
| NUMBER IN THREE INCH CIRCLE | = | 9      |        |        |

5 Jun 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/C8635146

# CENTERFIRE PATTERNS # 2

POR

1in circle

2in circle

3in circle

# OF SHOTS = 10

# IN CIR

1in = 1

2in = 6

3in = 9

HS= 1.818

VS= 2.591

GS= 3.113

CENTROID \*

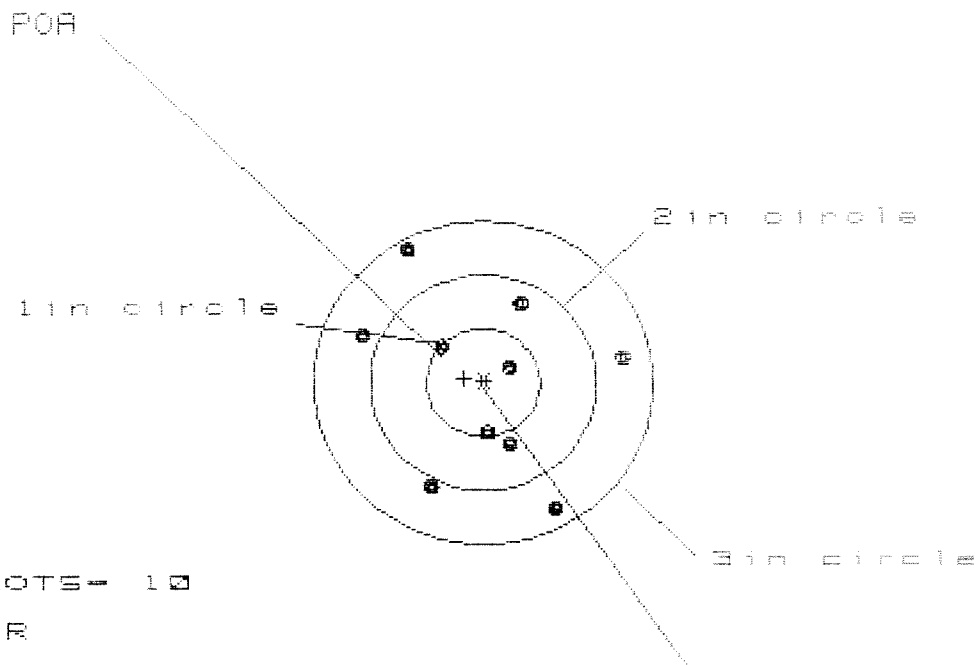
|                             |   |        |        |        |
|-----------------------------|---|--------|--------|--------|
| PATTERN #                   | : | 2      |        |        |
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | .806   | .703   | .789   |
| MINIMUM X                   | : | -1.012 | -1.115 | -1.029 |
| MAXIMUM Y                   | : | 1.128  | .965   | .956   |
| MINIMUM Y                   | : | -1.463 | -1.062 | -.941  |
| CENTROID X                  | : | .007   | .110   | .024   |
| CENTROID Y                  | : | .145   | .308   | .187   |
| POR TO CENTROID in.         | : | .145   | .327   | .189   |
| MIN RADIUS                  | : | .429   | .258   | .385   |
| MEAN RADIUS                 | : | .983   | .866   | .835   |
| MAX RADIUS                  | : | 1.736  | 1.186  | 1.108  |
| HORIZONTAL SPREAD           | : | 1.818  | 1.818  | 1.818  |
| VERTICAL SPREAD             | : | 2.591  | 2.027  | 1.897  |
| EXTREME SPREAD              | : | 3.113  | 2.289  | 2.077  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 1      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 6      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 9      |        |



5 Jun 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/08638146

# CENTERFIRE PATTERNS # 3



# OF SHOTS- 10

# IN CIR

1in = 2

2in = 5

3in = 10

HS= 2.223

VS= 2.356

GS= 2.711

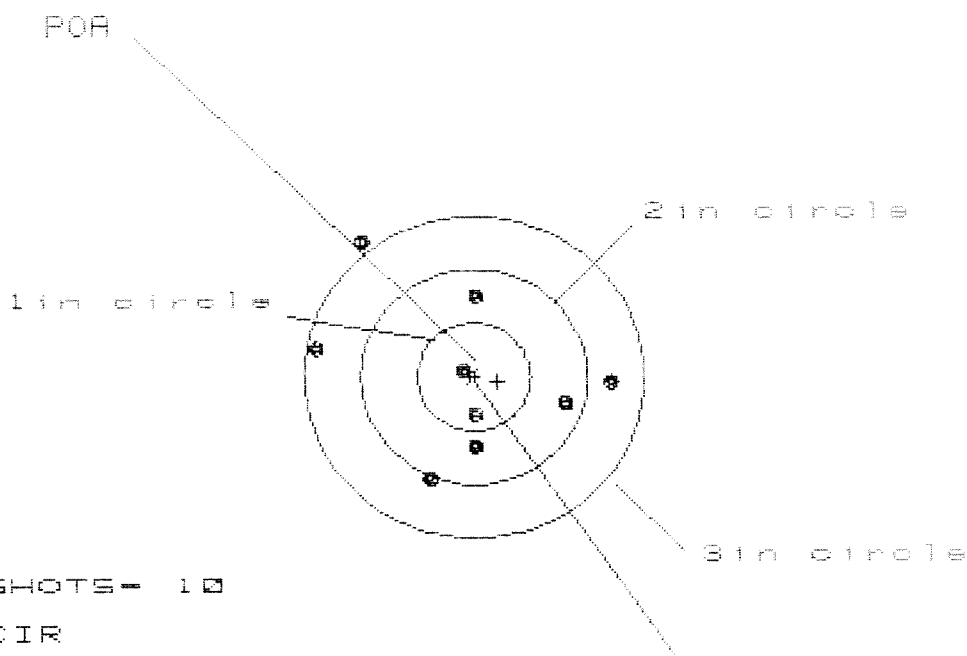
CENTROID #

| PATTERN #                     | 3      | 3      | 3      |
|-------------------------------|--------|--------|--------|
| SHOTS (BEST OF)               | 10     | 9      | 8      |
| MAXIMUM X                     | 1.201  | 1.121  | 1.189  |
| MINIMUM X                     | -1.022 | -1.102 | -1.034 |
| MAXIMUM Y                     | 1.234  | .832   | .709   |
| MINIMUM Y                     | -1.122 | -.985  | -.916  |
| CENTROID X                    | .168   | .248   | .180   |
| CENTROID Y                    | -.038  | -.175  | -.052  |
| POA TO CENTROID in.           | .172   | .304   | .187   |
| MIN RADIUS                    | .253   | .301   | .253   |
| MEAN RADIUS                   | .868   | .793   | .746   |
| MAX RADIUS                    | 1.427  | 1.224  | 1.225  |
| HORIZONTAL SPREAD             | 2.223  | 2.223  | 2.223  |
| VERTICAL SPREAD               | 2.356  | 1.817  | 1.625  |
| EXTREME SPREAD                | 2.711  | 2.239  | 2.226  |
| NUMBER IN ONE INCH CIRCLE =   | 2      |        |        |
| NUMBER IN TWO INCH CIRCLE =   | 5      |        |        |
| NUMBER IN THREE INCH CIRCLE = | 10     |        |        |

5 Jun 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/C8836146

# CENTERFIRE PATTERNS # 4



# OF SHOTS- 10

# IN CIR

1 in = 2

2 in = 7

3 in = 9

HS= 2.559

VS= 2.164

GS= 2.571

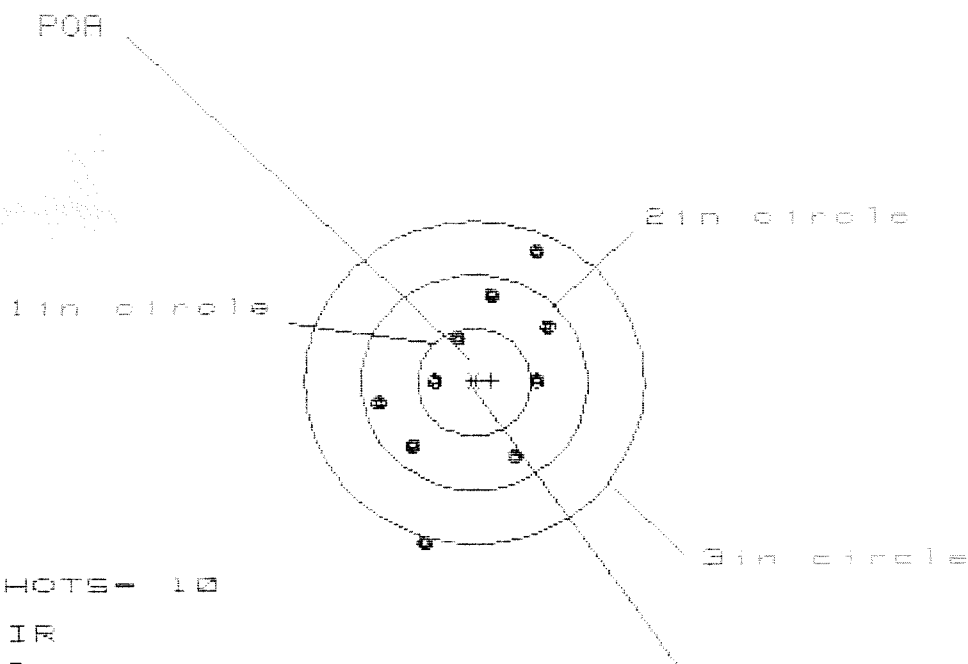
CENTROID #

| PATTERN #                   | : | 4      |        |       |
|-----------------------------|---|--------|--------|-------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8     |
| MAXIMUM X                   | : | 1.203  | 1.087  | .903  |
| MINIMUM X                   | : | -1.357 | -1.472 | -.708 |
| MAXIMUM Y                   | : | 1.261  | .928   | .977  |
| MINIMUM Y                   | : | -.903  | -.763  | -.714 |
| CENTROID X                  | : | -.210  | -.094  | .090  |
| CENTROID Y                  | : | .045   | -.095  | -.144 |
| POA TO CENTROID in.         | : | .214   | .134   | .169  |
| MIN RADIUS                  | : | .141   | .223   | .300  |
| MEAN RADIUS                 | : | .885   | .774   | .669  |
| MAX RADIUS                  | : | 1.633  | 1.523  | 1.006 |
| HORIZONTAL SPREAD           | : | 2.559  | 2.559  | 1.611 |
| VERTICAL SPREAD             | : | 2.164  | 1.691  | 1.691 |
| EXTREME SPREAD              | : | 2.571  | 2.571  | 1.846 |
| NUMBER IN ONE INCH CIRCLE   | = |        | 2      |       |
| NUMBER IN TWO INCH CIRCLE   | = |        | 7      |       |
| NUMBER IN THREE INCH CIRCLE | = |        | 9      |       |

5 Jun 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/C8636146

# CENTERFIRE PATTERNS # 5



# OF SHOTS- 10

# IN CIR

1in = 2

2in = 8

3in = 9

HS= 1.491

VS= 2.733

GS= 2.913

CENTROID #

|                               |   |        |       |       |
|-------------------------------|---|--------|-------|-------|
| PATTERN #                     | : | 5      |       |       |
| SHOTS (BEST OF)               | : | 10     | 9     | 8     |
| MAXIMUM X                     | : | .689   | .635  | .694  |
| MINIMUM X                     | : | -.882  | -.856 | -.797 |
| MAXIMUM Y                     | : | 1.256  | 1.091 | .761  |
| MINIMUM Y                     | : | -1.477 | -.868 | -.731 |
| CENTROID X                    | : | -.153  | -.099 | -.158 |
| CENTROID Y                    | : | -.014  | .151  | .014  |
| POA TO CENTROID in.           | : | .154   | .180  | .158  |
| MIN RADIUS                    | : | .316   | .331  | .313  |
| MEAN RADIUS                   | : | .845   | .749  | .689  |
| MAX RADIUS                    | : | 1.555  | 1.188 | .882  |
| HORIZONTAL SPREAD             | : | 1.491  | 1.491 | 1.491 |
| VERTICAL SPREAD               | : | 2.733  | 1.959 | 1.492 |
| EXTREME SPREAD                | : | 2.913  | 2.190 | 1.736 |
| NUMBER IN ONE INCH CIRCLE =   |   |        | 2     |       |
| NUMBER IN TWO INCH CIRCLE =   |   |        | 8     |       |
| NUMBER IN THREE INCH CIRCLE = |   |        | 9     |       |