# Valentine's Day Math Mystery Picture

Level 1: Adding and taking away within 10

Name _____ Date _____

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 10 − 1 | 10 − 1 | 10 − 1 | 10 − 1 | 4 + 5 | 7 + 2 | 1 + 8 | 10 − 1 | 10 − 1 | 10 − 1 | 7 + 2 | 10 − 1 |
| 10 − 1 | 8 + 1 | 3 + 6 | 2 + 7 | 8 + 1 | 10 − 1 | 3 + 6 | 10 − 1 | 6 + 3 | 8 + 1 | 10 − 1 | 8 + 1 |
| 5 + 1 | 8 − 2 | 8 − 2 | 7 − 1 | 2 + 4 | 8 − 2 | 10 − 4 | 1 + 5 | 8 − 2 | 4 + 2 | 10 − 4 | 10 − 4 |
| 9 − 7 | 7 − 1 | 5 + 1 | 4 + 2 | 1 + 5 | 8 − 2 | 4 + 2 | 7 − 1 | 9 − 3 | 1 + 5 | 8 − 2 | 8 − 6 |
| 1 + 5 | 1 + 1 | 9 − 3 | 1 + 5 | 3 + 3 | 7 − 1 | 3 + 3 | 4 + 2 | 2 + 4 | 2 + 4 | 1 + 1 | 8 − 2 |
| 4 + 2 | 8 − 2 | 1 + 1 | 10 − 4 | 7 − 1 | 7 − 1 | 8 − 2 | 4 + 2 | 4 + 2 | 5 − 3 | 1 + 5 | 9 − 3 |
| 5 + 1 | 9 − 3 | 5 + 1 | 7 − 5 | 9 − 3 | 5 − 1 | 2 + 2 | 8 − 2 | 1 + 1 | 5 + 1 | 8 − 2 | 7 − 1 |
| 9 − 3 | 9 − 3 | 9 − 3 | 8 − 2 | 1 + 3 | 2 + 2 | 2 + 2 | 8 − 4 | 5 + 1 | 10 − 4 | 9 − 3 | 7 − 1 |
| 10 − 4 | 3 + 3 | 4 + 2 | 2 + 4 | 3 + 1 | 9 − 5 | 6 − 2 | 1 + 3 | 9 − 3 | 5 + 1 | 4 + 2 | 8 − 2 |
| 7 − 1 | 3 + 3 | 10 − 4 | 5 + 1 | 10 − 4 | 2 + 2 | 10 − 6 | 9 − 3 | 3 + 3 | 7 − 1 | 1 + 5 | 10 − 4 |
| 3 + 3 | 10 − 4 | 2 + 4 | 8 − 2 | 1 + 5 | 1 + 5 | 10 − 4 | 2 + 4 | 3 + 3 | 3 + 3 | 2 + 4 | 10 − 4 |
| 2 + 4 | 1 + 5 | 9 − 3 | 8 − 2 | 7 − 1 | 10 − 4 | 8 − 2 | 2 + 4 | 10 − 4 | 4 + 2 | 9 − 3 | 4 + 2 |
| 10 − 1 | 2 + 7 | 10 − 1 | 5 + 4 | 10 − 1 | 10 − 1 | 10 − 1 | 3 + 6 | 10 − 1 | 10 − 1 | 10 − 1 | 10 − 1 |
| 7 + 2 | 10 − 1 | 6 + 3 | 6 + 3 | 10 − 1 | 7 + 2 | 5 + 4 | 2 + 7 | 2 + 7 | 4 + 5 | 6 + 3 | 10 − 1 |

 2 = gray

 4 = red

 6 = white

 9 = pink

# Valentine's Day Math Mystery Picture

Level 2: Adding and taking away within 20

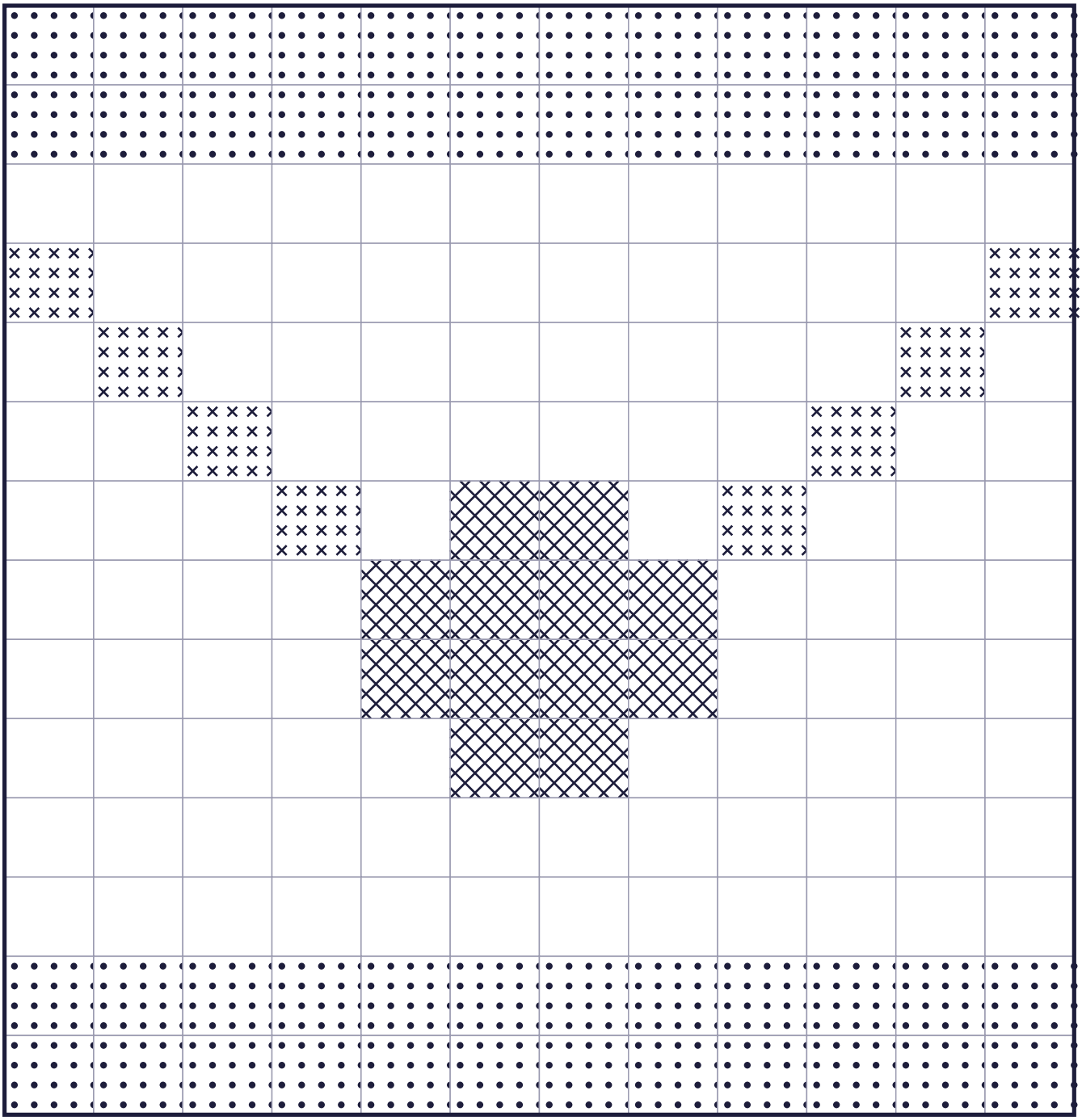
Name _____ Date _____

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 3 + 8 | 2 + 9 | 7 + 4 | 3 + 8 | 8 + 3 | 19 – 8 | 7 + 4 | 8 + 3 | 8 + 3 | 10 + 1 | 20 – 9 | 16 – 5 |
| 7 + 4 | 1 + 10 | 14 – 3 | 1 + 10 | 19 – 8 | 16 – 5 | 12 – 1 | 17 – 6 | 7 + 4 | 6 + 5 | 15 – 4 | 19 – 8 |
| 15 – 6 | 15 – 6 | 12 – 3 | 17 – 8 | 16 – 7 | 11 – 2 | 13 – 4 | 17 – 8 | 20 – 11 | 15 – 6 | 18 – 9 | 14 – 5 |
| 12 + 4 | 17 – 8 | 14 – 5 | 18 – 9 | 14 – 5 | 11 – 2 | 15 – 6 | 14 – 5 | 12 – 3 | 18 – 9 | 16 – 7 | 7 + 9 |
| 18 – 9 | 14 + 2 | 16 – 7 | 12 – 3 | 11 – 2 | 20 – 11 | 18 – 9 | 20 – 11 | 15 – 6 | 19 – 10 | 20 – 4 | 16 – 7 |
| 11 – 2 | 20 – 11 | 19 – 3 | 18 – 9 | 17 – 8 | 13 – 4 | 19 – 10 | 12 – 3 | 13 – 4 | 17 – 1 | 18 – 9 | 18 – 9 |
| 15 – 6 | 13 – 4 | 20 – 11 | 20 – 4 | 17 – 8 | 11 + 3 | 19 – 5 | 12 – 3 | 19 – 3 | 20 – 11 | 11 – 2 | 19 – 10 |
| 11 – 2 | 13 – 4 | 13 – 4 | 18 – 9 | 10 + 4 | 17 – 3 | 2 + 12 | 5 + 9 | 19 – 10 | 12 – 3 | 18 – 9 | 16 – 7 |
| 18 – 9 | 20 – 11 | 19 – 10 | 17 – 8 | 6 + 8 | 10 + 4 | 6 + 8 | 15 – 1 | 16 – 7 | 15 – 6 | 15 – 6 | 15 – 6 |
| 15 – 6 | 18 – 9 | 15 – 6 | 15 – 6 | 16 – 7 | 19 – 5 | 1 + 13 | 20 – 11 | 16 – 7 | 17 – 8 | 16 – 7 | 17 – 8 |
| 14 – 5 | 12 – 3 | 13 – 4 | 11 – 2 | 18 – 9 | 11 – 2 | 14 – 5 | 15 – 6 | 17 – 8 | 11 – 2 | 13 – 4 | 19 – 10 |
| 20 – 11 | 18 – 9 | 14 – 5 | 20 – 11 | 13 – 4 | 13 – 4 | 12 – 3 | 16 – 7 | 18 – 9 | 19 – 10 | 12 – 3 | 16 – 7 |
| 17 – 6 | 13 – 2 | 16 – 5 | 10 + 1 | 14 – 3 | 16 – 5 | 13 – 2 | 8 + 3 | 10 + 1 | 5 + 6 | 2 + 9 | 20 – 9 |
| 19 – 8 | 17 – 6 | 16 – 5 | 1 + 10 | 2 + 9 | 8 + 3 | 19 – 8 | 16 – 5 | 1 + 10 | 16 – 5 | 4 + 7 | 2 + 9 |

9 = white  11 = pink  14 = red  16 = gray

# Answer key: Love Letter

The same picture for Level 1 (L1) and Level 2 (L2).



gray: L1 = 2, L2 = 16

red: L1 = 4, L2 = 14

white: L1 = 6, L2 = 9

pink: L1 = 9, L2 = 11