# Valentine's Day Math Mystery Picture

Level 1: Adding and taking away within 10

Name _____ Date _____

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

3 = white

5 = yellow

6 = red

7 = purple

8 = pink

10 = brown

# Valentine's Day Math Mystery Picture

Level 2: Adding and taking away within 20

Name _____ Date _____

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

 6 = pink

 9 = white

 11 = red

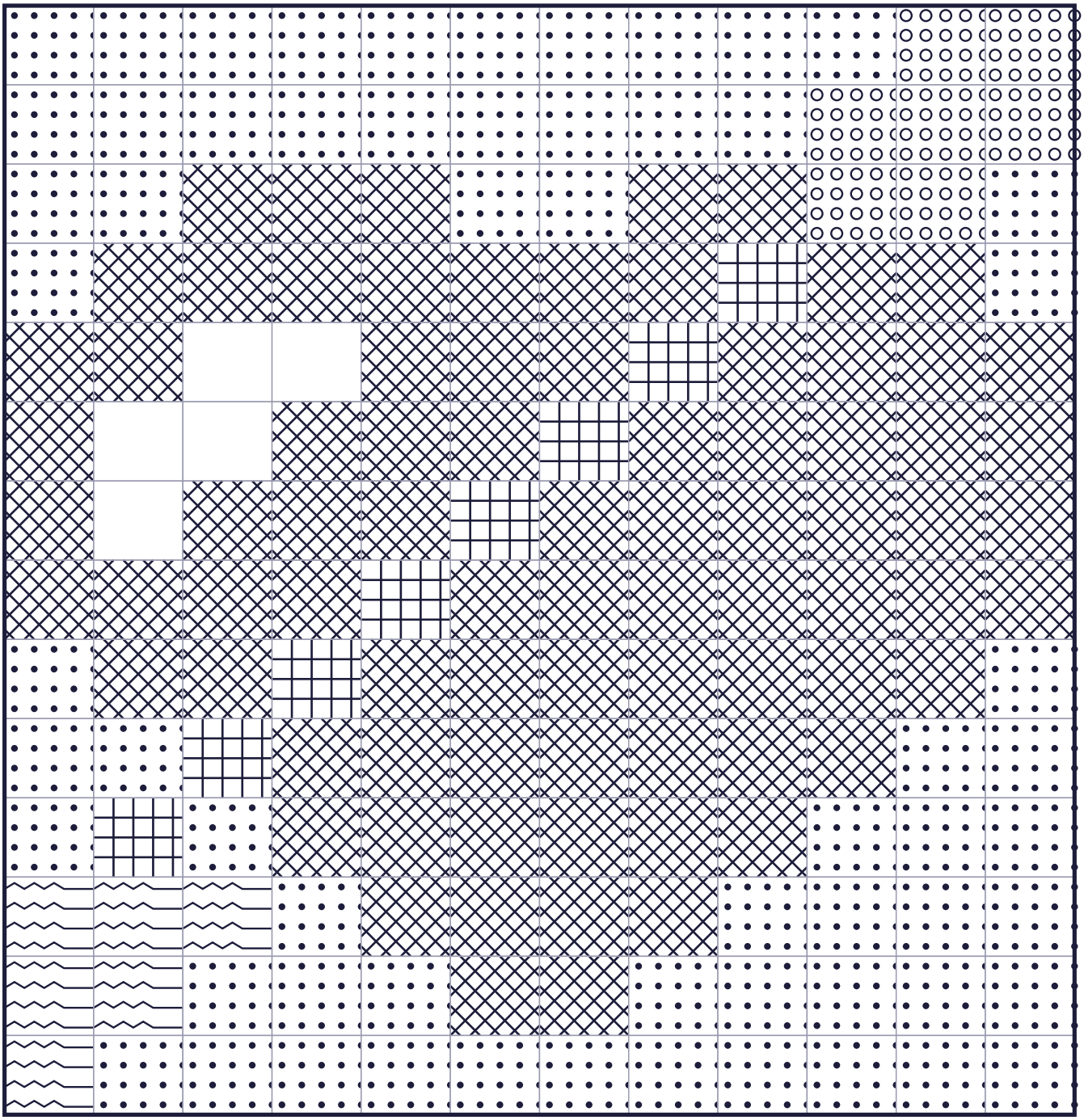
 14 = brown

 18 = yellow

 20 = purple

# Answer key: Heart and Arrow

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



white: L1 = 3, L2 = 9

yellow: L1 = 5, L2 = 18

red: L1 = 6, L2 = 11

purple: L1 = 7, L2 = 20

pink: L1 = 8, L2 = 6

brown: L1 = 10, L2 = 14