Valentine's Day Math Mystery Picture

Level 1: Unit fractions of amounts

Name _____ Date _____

$\frac{1}{5}$ of 45	$\frac{1}{10}$ of 90	$\frac{1}{4}$ of 36	$\frac{1}{10}$ of 90	$\frac{1}{5}$ of 45	$\frac{1}{5}$ of 45	$\frac{1}{3}$ of 27	$\frac{1}{10}$ of 90	$\frac{1}{5}$ of 45	$\frac{1}{4}$ of 28	$\frac{1}{10}$ of 70	$\frac{1}{3}$ of 27
$\frac{1}{3}$ of 27	$\frac{1}{4}$ of 36	$\frac{1}{10}$ of 90	$\frac{1}{2}$ of 18	$\frac{1}{10}$ of 90	$\frac{1}{2}$ of 18	$\frac{1}{2}$ of 18	$\frac{1}{2}$ of 18	$\frac{1}{5}$ of 45	$\frac{1}{4}$ of 28	$\frac{1}{10}$ of 70	$\frac{1}{2}$ of 14
$\frac{1}{2}$ of 18	$\frac{1}{10}$ of 90	$\frac{1}{3}$ of 12	$\frac{1}{3}$ of 12	$\frac{1}{5}$ of 20	$\frac{1}{10}$ of 40	$\frac{1}{4}$ of 16	$\frac{1}{10}$ of 40	$\frac{1}{10}$ of 90	$\frac{1}{10}$ of 70	$\frac{1}{10}$ of 90	$\frac{1}{3}$ of 27
$\frac{1}{4}$ of 36	$\frac{1}{10}$ of 40	$\frac{1}{2}$ of 8	$\frac{1}{3}$ of 12	$\frac{1}{3}$ of 12	$\frac{1}{4}$ of 16	$\frac{1}{4}$ of 16	$\frac{1}{4}$ of 16	$\frac{1}{3}$ of 12	$\frac{1}{4}$ of 24	$\frac{1}{10}$ of 90	$\frac{1}{4}$ of 36
$\frac{1}{3}$ of 12	$\frac{1}{5}$ of 20	$\frac{1}{4}$ of 16	$\frac{1}{10}$ of 40	$\frac{1}{5}$ of 20	$\frac{1}{3}$ of 12	$\frac{1}{4}$ of 16	$\frac{1}{4}$ of 16	$\frac{1}{2}$ of 8	$\frac{1}{2}$ of 12	$\frac{1}{10}$ of 90	$\frac{1}{4}$ of 36
$\frac{1}{3}$ of 12	$\frac{1}{3}$ of 15	$\frac{1}{10}$ of 50	$\frac{1}{2}$ of 10	$\frac{1}{4}$ of 16	$\frac{1}{4}$ of 16	$\frac{1}{3}$ of 12	$\frac{1}{2}$ of 8	$\frac{1}{2}$ of 8	$\frac{1}{4}$ of 24	$\frac{1}{4}$ of 36	$\frac{1}{2}$ of 18
$\frac{1}{4}$ of 16	$\frac{1}{10}$ of 50	$\frac{1}{3}$ of 21	$\frac{1}{3}$ of 15	$\frac{1}{2}$ of 8	$\frac{1}{3}$ of 12	$\frac{1}{5}$ of 20	$\frac{1}{5}$ of 20	$\frac{1}{10}$ of 40	$\frac{1}{10}$ of 60	$\frac{1}{3}$ of 27	$\frac{1}{3}$ of 27
$\frac{1}{5}$ of 20	$\frac{1}{2}$ of 10	$\frac{1}{4}$ of 20	$\frac{1}{5}$ of 25	$\frac{1}{4}$ of 16	$\frac{1}{2}$ of 8	$\frac{1}{5}$ of 20	$\frac{1}{4}$ of 16	$\frac{1}{4}$ of 16	$\frac{1}{5}$ of 30	$\frac{1}{4}$ of 36	$\frac{1}{4}$ of 36
$\frac{1}{5}$ of 20	$\frac{1}{5}$ of 20	$\frac{1}{3}$ of 12	$\frac{1}{2}$ of 8	$\frac{1}{5}$ of 20	$\frac{1}{10}$ of 40	$\frac{1}{2}$ of 8	$\frac{1}{2}$ of 8	$\frac{1}{2}$ of 8	$\frac{1}{5}$ of 30	$\frac{1}{10}$ of 90	$\frac{1}{5}$ of 45
$\frac{1}{2}$ of 8	$\frac{1}{5}$ of 20	$\frac{1}{10}$ of 40	$\frac{1}{4}$ of 16	$\frac{1}{5}$ of 20	$\frac{1}{2}$ of 8	$\frac{1}{4}$ of 16	$\frac{1}{5}$ of 20	$\frac{1}{10}$ of 40	$\frac{1}{5}$ of 20	$\frac{1}{3}$ of 27	$\frac{1}{10}$ of 90
$\frac{1}{3}$ of 27	$\frac{1}{2}$ of 18	$\frac{1}{4}$ of 36	$\frac{1}{2}$ of 18	$\frac{1}{5}$ of 55	$\frac{1}{2}$ of 22	$\frac{1}{5}$ of 45	$\frac{1}{3}$ of 27	$\frac{1}{5}$ of 45	$\frac{1}{3}$ of 27	$\frac{1}{4}$ of 36	$\frac{1}{3}$ of 27
$\frac{1}{3}$ of 27	$\frac{1}{4}$ of 36	$\frac{1}{4}$ of 36	$\frac{1}{4}$ of 36	$\frac{1}{4}$ of 44	$\frac{1}{2}$ of 22	$\frac{1}{2}$ of 18	$\frac{1}{4}$ of 36	$\frac{1}{10}$ of 90	$\frac{1}{10}$ of 90	$\frac{1}{2}$ of 18	$\frac{1}{5}$ of 45
$\frac{1}{4}$ of 36	$\frac{1}{2}$ of 18	$\frac{1}{5}$ of 45	$\frac{1}{2}$ of 18	$\frac{1}{2}$ of 22	$\frac{1}{3}$ of 33	$\frac{1}{10}$ of 90	$\frac{1}{10}$ of 90	$\frac{1}{2}$ of 18	$\frac{1}{4}$ of 36	$\frac{1}{10}$ of 90	$\frac{1}{10}$ of 90
$\frac{1}{10}$ of 30	$\frac{1}{4}$ of 12	$\frac{1}{3}$ of 9	$\frac{1}{2}$ of 6	$\frac{1}{2}$ of 6	$\frac{1}{5}$ of 15	$\frac{1}{4}$ of 12	$\frac{1}{4}$ of 12	$\frac{1}{2}$ of 6	$\frac{1}{4}$ of 12	$\frac{1}{4}$ of 12	$\frac{1}{10}$ of 30

3 = green 4 = blue 5 = white 6 = gray

7 = red 9 = light blue 11 = brown

Valentine's Day Math Mystery Picture

Level 2: Fractions of amounts

Name _____ Date _____

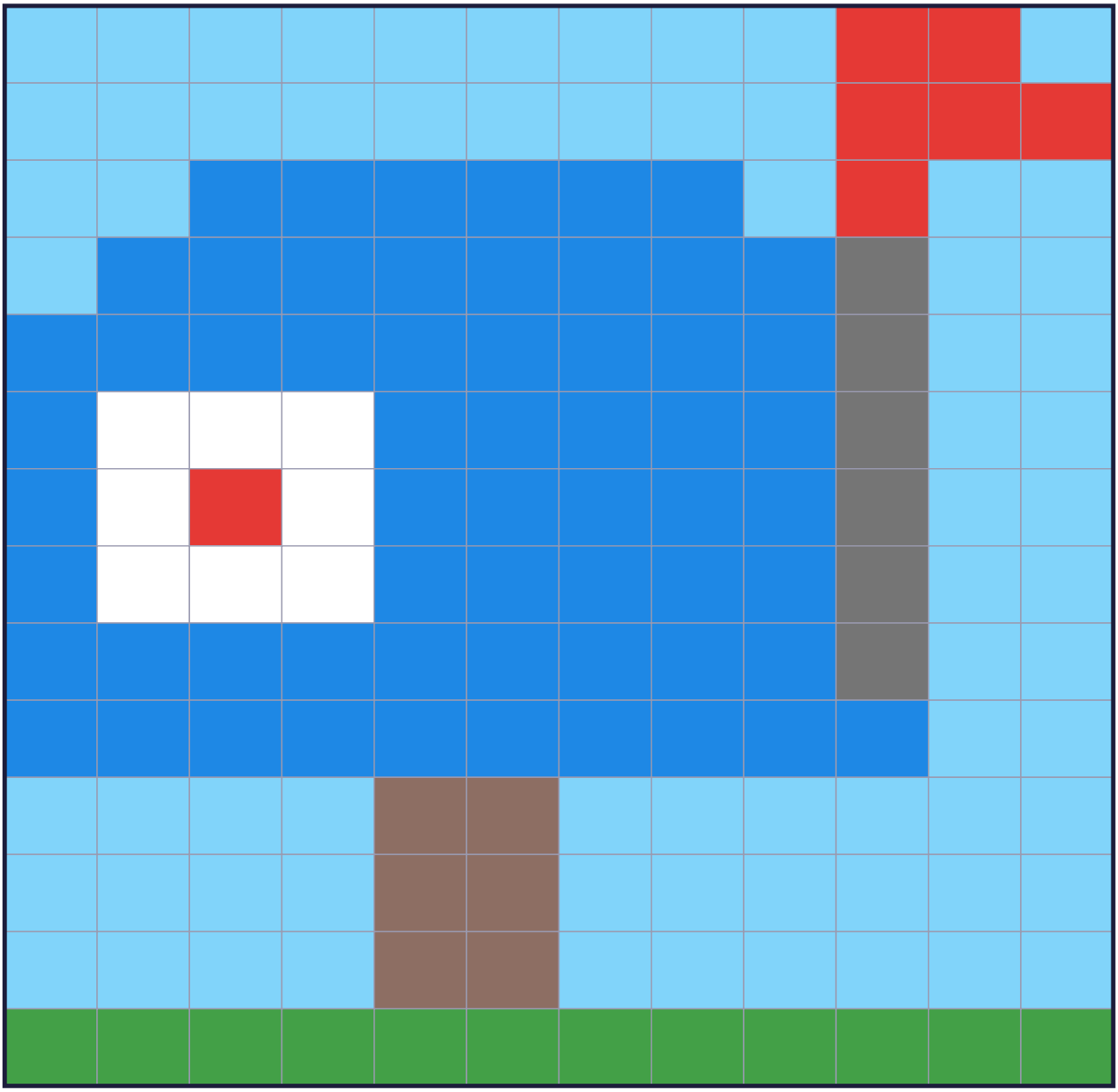
$\frac{2}{5}$ of 25	$\frac{5}{6}$ of 12	$\frac{2}{3}$ of 15	$\frac{2}{5}$ of 25	$\frac{5}{6}$ of 12	$\frac{5}{8}$ of 16	$\frac{5}{8}$ of 16	$\frac{2}{5}$ of 25	$\frac{5}{8}$ of 16	$\frac{3}{5}$ of 10	$\frac{3}{5}$ of 10	$\frac{5}{8}$ of 16
$\frac{2}{5}$ of 25	$\frac{5}{6}$ of 12	$\frac{5}{8}$ of 16	$\frac{2}{3}$ of 15	$\frac{2}{3}$ of 15	$\frac{2}{3}$ of 15	$\frac{2}{3}$ of 15	$\frac{2}{3}$ of 15	$\frac{5}{6}$ of 12	$\frac{3}{10}$ of 20	$\frac{3}{10}$ of 20	$\frac{3}{8}$ of 16
$\frac{2}{3}$ of 15	$\frac{2}{5}$ of 25	$\frac{2}{3}$ of 24	$\frac{2}{5}$ of 40	$\frac{2}{5}$ of 40	$\frac{2}{3}$ of 24	$\frac{2}{5}$ of 40	$\frac{2}{5}$ of 40	$\frac{2}{5}$ of 25	$\frac{3}{5}$ of 10	$\frac{2}{5}$ of 25	$\frac{5}{8}$ of 16
$\frac{5}{8}$ of 16	$\frac{2}{3}$ of 24	$\frac{2}{5}$ of 40	$\frac{2}{5}$ of 40	$\frac{2}{5}$ of 40	$\frac{2}{5}$ of 40	$\frac{2}{3}$ of 24	$\frac{2}{5}$ of 40	$\frac{2}{5}$ of 40	$\frac{2}{3}$ of 30	$\frac{5}{6}$ of 12	$\frac{2}{5}$ of 25
$\frac{4}{5}$ of 20	$\frac{2}{5}$ of 40	$\frac{4}{5}$ of 20	$\frac{4}{5}$ of 20	$\frac{2}{3}$ of 24	$\frac{4}{5}$ of 20	$\frac{2}{5}$ of 40	$\frac{4}{5}$ of 20	$\frac{4}{5}$ of 20	$\frac{5}{6}$ of 24	$\frac{2}{5}$ of 25	$\frac{2}{3}$ of 15
$\frac{2}{5}$ of 40	$\frac{2}{5}$ of 35	$\frac{7}{10}$ of 20	$\frac{7}{8}$ of 16	$\frac{2}{3}$ of 24	$\frac{2}{5}$ of 40	$\frac{2}{3}$ of 24	$\frac{2}{5}$ of 40	$\frac{2}{3}$ of 24	$\frac{2}{3}$ of 30	$\frac{5}{6}$ of 12	$\frac{2}{3}$ of 15
$\frac{4}{5}$ of 20	$\frac{2}{3}$ of 21	$\frac{3}{8}$ of 16	$\frac{7}{10}$ of 20	$\frac{2}{5}$ of 40	$\frac{2}{5}$ of 40	$\frac{4}{5}$ of 20	$\frac{2}{3}$ of 24	$\frac{2}{5}$ of 40	$\frac{4}{5}$ of 25	$\frac{5}{8}$ of 16	$\frac{5}{6}$ of 12
$\frac{4}{5}$ of 20	$\frac{7}{10}$ of 20	$\frac{7}{10}$ of 20	$\frac{2}{5}$ of 35	$\frac{2}{5}$ of 40	$\frac{2}{5}$ of 40	$\frac{4}{5}$ of 20	$\frac{2}{5}$ of 40	$\frac{2}{5}$ of 40	$\frac{2}{5}$ of 50	$\frac{2}{5}$ of 25	$\frac{5}{8}$ of 16
$\frac{2}{3}$ of 24	$\frac{2}{5}$ of 40	$\frac{2}{3}$ of 24	$\frac{2}{5}$ of 40	$\frac{4}{5}$ of 20	$\frac{2}{5}$ of 40	$\frac{2}{5}$ of 40	$\frac{4}{5}$ of 20	$\frac{4}{5}$ of 20	$\frac{5}{8}$ of 32	$\frac{2}{5}$ of 25	$\frac{2}{5}$ of 25
$\frac{4}{5}$ of 20	$\frac{2}{5}$ of 40	$\frac{4}{5}$ of 20	$\frac{2}{3}$ of 24	$\frac{2}{3}$ of 24	$\frac{2}{5}$ of 40	$\frac{2}{5}$ of 40	$\frac{2}{3}$ of 24	$\frac{4}{5}$ of 20	$\frac{2}{5}$ of 40	$\frac{5}{8}$ of 16	$\frac{5}{8}$ of 16
$\frac{5}{8}$ of 16	$\frac{2}{5}$ of 25	$\frac{5}{8}$ of 16	$\frac{5}{8}$ of 16	$\frac{3}{4}$ of 24	$\frac{3}{8}$ of 48	$\frac{5}{6}$ of 12	$\frac{5}{6}$ of 12	$\frac{5}{6}$ of 12	$\frac{2}{3}$ of 15	$\frac{2}{3}$ of 15	$\frac{2}{3}$ of 15
$\frac{2}{5}$ of 25	$\frac{5}{8}$ of 16	$\frac{2}{5}$ of 25	$\frac{5}{8}$ of 16	$\frac{2}{3}$ of 27	$\frac{3}{10}$ of 60	$\frac{5}{6}$ of 12	$\frac{2}{5}$ of 25	$\frac{5}{8}$ of 16	$\frac{2}{3}$ of 15	$\frac{2}{3}$ of 15	$\frac{5}{8}$ of 16
$\frac{2}{3}$ of 15	$\frac{2}{3}$ of 15	$\frac{5}{6}$ of 12	$\frac{2}{5}$ of 25	$\frac{2}{5}$ of 45	$\frac{3}{8}$ of 48	$\frac{2}{3}$ of 15	$\frac{5}{6}$ of 12	$\frac{5}{8}$ of 16	$\frac{2}{5}$ of 25	$\frac{2}{3}$ of 15	$\frac{5}{6}$ of 12
$\frac{3}{5}$ of 20	$\frac{3}{10}$ of 40	$\frac{3}{4}$ of 16	$\frac{3}{5}$ of 20	$\frac{4}{5}$ of 15	$\frac{3}{10}$ of 40	$\frac{3}{5}$ of 20	$\frac{3}{10}$ of 40	$\frac{3}{8}$ of 32	$\frac{3}{8}$ of 32	$\frac{3}{5}$ of 20	$\frac{4}{5}$ of 15

6 = red 10 = light blue 12 = green 14 = white

16 = blue 18 = brown 20 = gray

Answer key: Valentine Mailbox

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



- green: L1 = 3, L2 = 12
- blue: L1 = 4, L2 = 16
- white: L1 = 5, L2 = 14
- gray: L1 = 6, L2 = 20
- red: L1 = 7, L2 = 6
- light blue: L1 = 9, L2 = 10
- brown: L1 = 11, L2 = 18