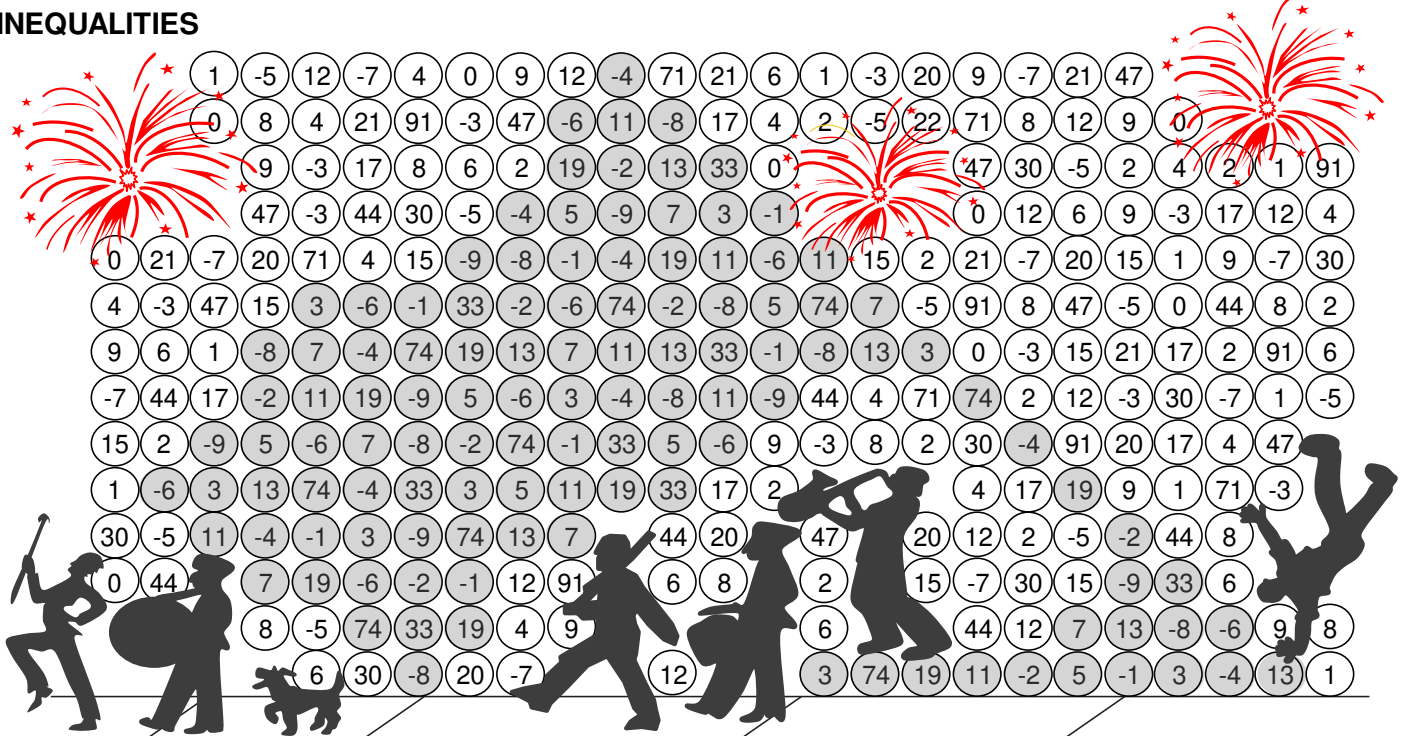


ANSWER, FIND, AND SHADE INEQUALITIES

ANSWERS



What does each variable equal to make both inequalities true?

Answers must be integers (positive and negative whole numbers and zero).

1. $-7p > -42$ and $3p > 12$

$p = 5$

2. $-4t < 12$ and $7 \geq t + 9$

$t = -2$

3. $9n \leq -72$ and $n + 17 > 8$

$n = -8$

4. $10 + f > 20$ and $-10f > -120$

$f = 11$

5. $\frac{d}{5} < 15$ and $d - 60 > 13$

$d = 74$

6. $h + 12 < 7$ and $14 > 7 - h$

$h = -6$

6. $\frac{x}{4} > 8$ and $x - 16 < 18$

$x = 33$

7. $2w + 1 < -5$ and $-5w \leq 20$

$w = -4$

8. $\frac{y}{2} < 10$ and $y + y > 36$

$y = 19$

9. $24 < 12r$ and $-8r > -32$

$r = 3$

10. $\frac{v}{8} > 0$ and $1 \geq \frac{v}{-2}$

$v = -1$

11. $e - 15 > -3$ and $2e < 28$

$e = 13$

12. $\frac{k}{6} > 1$ and $6k < 48$

$k = 7$

12. $-20 < 2m$ and $-4m \geq 36$

$m = -9$