

Name: ..... Class: .....

## Inequalities with addition and subtraction

Choose a number that makes the expressions below true. Tick all that apply.

a.  $10 + x > 15$

☒ 25      ☐ 2

To do this, let's substitute each value in place of x and solve.

When  $x = 25$ 

$10 + 25 > 15$

$35 > 15$

When  $x = 2$ 

$10 + 2 > 15$

$12 < 15$

You see that substituting 25 in place of x makes the expression true.



b.  $279 + 50 > x$

☐ 329      ☐ 199      ☐ 240

g.  $66 < 35 + x$

☐ 32      ☐ 40      ☐ 12

c.  $50 < 79 - x$

☐ 55      ☐ 23      ☐ 40

h.  $101 - x > 50$

☐ 78      ☐ 49      ☐ 100

d.  $x - 251 > 512 - 213$

☐ 605      ☐ 315      ☐ 529

i.  $x - 10 > 5$

☐ 17      ☐ 10      ☐ 8

e.  $29 - x = 18$

☐ 10      ☐ 11      ☐ 29

j.  $20 - x = 15$

☐ 10      ☐ 5      ☐ 29

f.  $879 = 526 + x$

☐ 600      ☐ 353      ☐ 532

k.  $30 + 20 = x - 50$

☐ 200      ☐ 100      ☐ 50

Name: ..... Class: .....

## Inequalities with addition and subtraction

Choose a number that makes the expressions below true. Tick all that apply.

a.  $10 + x > 15$

☒ 25      ☐ 2

To do this, let's substitute each value in place of x and solve.

When  $x = 25$ 

$10 + 25 > 15$

$35 > 15$

When  $x = 2$ 

$10 + 2 > 15$

$12 < 15$

You see that substituting 25 in place of x makes the expression true.



b.  $279 + 50 > x$

☐ 329      ☒ 199      ☒ 240

g.  $66 < 35 + x$

☒ 32      ☒ 40      ☐ 12

c.  $50 < 79 - x$

☐ 55      ☒ 23      ☐ 40

h.  $101 - x > 50$

☐ 78      ☒ 49      ☐ 100

d.  $x - 251 > 512 - 213$

☒ 605      ☐ 315      ☐ 529

i.  $x - 10 > 5$

☒ 17      ☐ 10      ☐ 8

e.  $29 - x = 18$

☐ 10      ☒ 11      ☐ 29

j.  $20 - x = 15$

☐ 10      ☒ 5      ☐ 29

f.  $879 = 526 + x$

☐ 600      ☒ 353      ☐ 532

k.  $30 + 20 = x - 50$

☐ 200      ☒ 100      ☐ 50