



Balancing Equations

I can balance equations.

a. $3 + \square = \square - 6$

b. $\square + 4 = 9 - \square$

c. $7 - \square = 3 + \square$

d. $9 - \square = \square + 2$

e. $\square + 4 = 2 + \square$

f. $\square - 7 = 5 - \square$

g. $7 - \square = \square + 1$

h. $\square + 2 = \square - 6$

i. $\square + 5 = \square - 3$

j. $7 + \square = \square + 3$

k. $\square + 3 = 8 - \square$

l. $\square - 6 = 8 - \square$

m. $9 - \square = 7 - \square$

n. $1 + \square = \square + 4$

o. $6 - \square = 3 + \square$

p. $\square + 2 = 7 - \square$

Challenge

Write some of your own for a friend. Make sure you can find an answer.





Balancing Equations

I can balance equations.

a. $\square - 45 = 13 + \square$

b. $87 - \square = \square + 33$

c. $\square + 39 = 61 - \square$

d. $34 + \square = \square + 26$

e. $27 + \square = 82 - \square$

f. $\square - 73 = 12 + \square$

g. $88 - \square = \square + 65$

h. $\square - 34 = 92 - \square$

i. $72 - \square = \square - 27$

j. $72 - \square = \square - 28$

k. $\square + 26 = 76 - \square$

l. $67 - \square = 21 + \square$

m. $\square + 45 = 32 + \square$

n. $72 - \square = 21 + \square$

o. $38 + \square = \square - 19$

p. $27 + \square = 96 - \square$

q. $\square - 59 = \square - 83$





Balancing Equations

I can balance equations.

r. $43 + \square = 71 + \square$

s. $82 - \square = 28 + \square$

t. $\square - 47 = \square + 38$

u. $29 + \square = 71 - \square$

v. $32 + \square = 88 - \square$

w. $55 - \square = 16 + \square$

x. $\square - 23 = \square + 49$

y. $90 - \square = 24 + \square$

z. $\square + 32 = 98 - \square$

Challenge

$$\square + \square = \square - \square$$

$$\square - \square = \square - \square$$

$$\square + \square = \square + \square$$

$$\square - \square = \square + \square$$





Balancing Equations

I can balance equations.

a. $\square - 342 = \square + 221$

b. $781 - \square = \square = 503$

c. $\square + 118 = 675 - \square$

d. $\square - 452 = 287 + \square$

e. $735 - \square = 539 - \square$

f. $\square + 418 = 845 - \square$

g. $824 - \square = \square + 219$

h. $\square - 285 = 892 - \square$

i. $\square + 624 = 295 + \square$

j. $989 - \square = 282 + \square$

k. $341 - \square = \square + 176$

l. $\square + 782 = 468 + \square$

m. $623 + \square = \square + 197$

n. $806 - \square = 573 - \square$

o. $608 - \square = 735 - \square$

p. $\square + 371 = 835 - \square$

q. $624 + \square = 918 - \square$





Balancing Equations

I can balance equations.

r. $\square - 725 = \square - 279$

s. $317 + \square = 892 - \square$

t. $298 + \square = \square + 509$

u. $\square - 451 = 628 - \square$

v. $197 + \square = \square + 451$

w. $\square - 310 = 734 - \square$

x. $189 + \square = 726 - \square$

y. $721 - \square = 292 + \square$

z. $\square + 270 = 925 - \square$

Challenge

Use the numbers 291 and 707 to write some balancing equations for a friend. Make sure answers do not need negative numbers.

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Balancing Equations Answers



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Example answers include:

a. $3 + 7 = 16 - 6$

b. $2 + 4 = 9 - 3$

c. $7 - 2 = 3 + 2$

d. $9 - 2 = 5 + 2$

e. $3 + 4 = 2 + 5$

f. $10 - 7 = 5 - 2$

g. $7 - 3 = 3 + 1$

h. $2 + 2 = 10 - 6$

i. $12 + 5 = 20 - 3$

j. $7 + 4 = 8 + 3$

k. $3 + 3 = 8 - 2$

l. $10 - 6 = 8 - 4$

m. $9 - 5 = 7 - 3$

n. $1 + 11 = 8 + 4$

o. $6 - 1 = 3 + 2$

p. $4 + 2 = 7 - 1$



Balancing Equations Answers



Example answers include:

a. $65 - 45 = 13 + 7$

b. $87 - 37 = 17 + 33$

c. $20 + 39 = 61 - 2$

d. $34 + 28 = 36 + 26$

e. $27 + 23 = 82 - 32$

f. $105 - 73 = 12 + 20$

g. $88 - 8 = 15 + 65$

h. $100 - 34 = 92 - 26$

i. $72 - 30 = 69 - 27$

j. $72 - 50 = 50 - 28$

k. $25 + 26 = 76 - 25$

l. $67 - 12 = 21 + 34$

m. $28 + 45 = 32 + 41$

n. $72 - 12 = 21 + 39$

o. $38 + 12 = 69 - 19$

p. $27 + 30 = 96 - 39$

q. $100 - 59 = 124 - 83$



Balancing Equations Answers

Example answers include:

r. $43 + 60 = 71 + 32$

s. $82 - 41 = 28 + 13$

t. $100 - 47 = 15 + 38$

u. $29 + 13 = 71 - 29$

v. $32 + 25 = 88 - 31$

w. $55 - 14 = 16 + 25$

x. $100 - 23 = 28 + 49$

y. $90 - 18 = 24 + 48$

z. $26 + 32 = 98 - 40$

Challenge

Pupil's own responses



Balancing Equations Answers

Example answers include:



a. $800 - 342 = 237 + 221$ j. $989 - 356 = 282 + 351$

b. $781 - 130 = 1154 - 503$ k. $341 - 92 = 73 + 176$

c. $250 + 118 = 675 - 307$ l. $550 + 782 = 468 + 864$

d. $1000 - 452 = 287 + 261$ m. $623 + 245 = 671 + 197$

e. $735 - 240 = 539 - 44$ n. $806 - 436 = 573 - 203$

f. $350 + 418 = 845 - 77$ o. $608 - 165 = 735 - 292$

g. $824 - 169 = 436 + 219$ p. $428 + 317 = 835 - 90$

h. $600 - 285 = 892 - 577$ q. $624 + 137 = 918 - 157$

i. $422 + 624 = 295 + 751$





Balancing Equations Answers

Example answers include:

r. $1000 - 725 = 554 - 279$

s. $317 + 324 = 892 - 251$

t. $298 + 684 = 473 + 509$

u. $1000 - 451 = 628 - 79$

v. $197 + 452 = 198 + 451$

w. $1000 - 310 = 734 - 44$

x. $189 + 266 = 726 - 271$

y. $721 - 352 = 292 + 77$

z. $625 + 270 = 925 - 30$

Challenge

Pupil's own responses

