Solving Equations Game

Earn points by solving the equations. Harder equations are worth more points.

Solve as many as you can in the time given.

1 Point Each

a) $x+5=11$
b) $q-5=2$
c) $5a=20$
d) $\frac{x}{3}=5$
e) $2p+1=9$
f) $5d-8=42$
g) $\frac{1}{2}p=4$
h) $\frac{16}{y}=2$

2 Points Each

a) $\frac{1}{2}z+2=7$
b) $8y-5=27$
c) $7b+4=25$
d) $5x=-10$
e) $4t=2$
f) $2y+7=1$
g) $2x=15$
h) $6a=15$
i) $32-3t=11$
j) $1-\frac{x}{6}=4$
k) $5y+6=2$
l) $\frac{t}{3}+21=15$
m) $\frac{1}{3}t=-0.3$
n) $-3=17-5n$

3 Points Each

a) $2(x+3)=12$
b) $3(e+2)=21$
c) $6(c-2)=24$
d) $8(q-3)=40$
e) $3(2w+1)=15$
f) $4(2q-1)=28$
g) $25=5(3y-10)$

4 Points Each

a) $3(p+2)=3$
b) $2(x-5)=7$
c) $2(3-d)=10$
d) $5=2(1+3t)$
e) $5q=12-q$
f) $3g-8=g$
g) $7k+3=3k+7$
h) $3x=20-x$
i) $2t=15-3t$

5 Points Each

a) $2-4t=12+t$
b) $3+5a=a+5$
c) $2b+7=11-3b$
d) $3y+1=9-y$
e) $12s=2s+5$
f) $x=\frac{1}{2}x-3$

6 Points Each

a) $3(2z-5)=z+15$
b) $m+2(m+1)=14$
c) $2(3-2x)=2(6-x)$
d) $2(y+4)+3(2y-5)=5$
e) $3(n+5)+n=23$
f) $\frac{3}{4}y=6$
g) $\frac{x}{3}=\frac{3}{2}$
h) $\frac{2d}{5}=-4$
i) $\frac{3t}{4}=\frac{1}{3}$
j) $\frac{5a}{6}=20$
k) $2(3h-4)=3(h+1)-5$
l) $5(x+2)+2(2x-1)=7(x-4)$
m) $3(x-4)=5(2x-3)-2(3x-5)$
n) $\frac{2}{3}x=4$
o) $\frac{2a+1}{2}=\frac{3}{5}$
p) $\frac{2(4x-3)}{5}=-6$
q) $\frac{h+1}{4}=3$
r) $\frac{7-d}{4}=\frac{5}{2}$
s) $\frac{2x-1}{3}=5$
t) $\frac{x+1}{2}+\frac{x-1}{3}=1$
u) $\frac{x+2}{3}-\frac{x+1}{4}=2$
v) $\frac{x}{2}-\frac{x}{3}=2$

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1 Point Each

6 $x+5=11$
7 $q-5=2$
4 $5a=20$
15 $\frac{x}{3}=5$
4 $2p+1=9$
10 $5d-8=42$
8 $\frac{1}{2}p=4$
8 $\frac{16}{y}=2$

2 Points Each

10 $\frac{1}{2}z+2=7$
4 $8y-5=27$
3 $7b+4=25$
-2 $5x=-10$
0.5 $4t=2$
-3 $2y+7=1$
7.5 $2x=15$
2.5 $6a=15$
7 $32-3t=11$
-18 $1-\frac{x}{6}=4$
-0.8 $5y+6=2$
-18 $\frac{t}{3}+21=15$
-0.9 $\frac{1}{3}t=-0.3$
4 $-3=17-5n$

3 Points Each

3 $2(x+3)=12$
5 $3(e+2)=21$
6 $6(c-2)=24$
8 $8(q-3)=40$
2 $3(2w+1)=15$
4 $4(2q-1)=28$
5 $25=5(3y-10)$

4 Points Each

-1 $3(p+2)=3$
8.5 $2(x-5)=7$
-2 $2(3-d)=10$
0.5 $5=2(1+3t)$
2 $5q=12-q$
4 $3g-8=g$
1 $7k+3=3k+7$
5 $3x=20-x$
3 $2t=15-3t$

5 Points Each

-2 $2-4t=12+t$
0.5 $3+5a=a+5$
0.8 $2b+7=11-3b$
2 $3y+1=9-y$
0.5 $12s=2s+5$
-6 $x=\frac{1}{2}x-3$

6 Points Each

6 $3(2z-5)=z+15$
4 $m+2(m+1)=14$
-3 $2(3-2x)=2(6-x)$
1.5 $2(y+4)+3(2y-5)=5$
2 $3(n+5)+n=23$
8 $\frac{3}{4}y=6$
4.5 $\frac{x}{3}=\frac{3}{2}$

-10 $\frac{2d}{5}=-4$
4/9 $\frac{3t}{4}=\frac{1}{3}$
24 $\frac{5a}{6}=20$

2 $2(3h-4)=3(h+1)-5$
-18 $5(x+2)+2(2x-1)=7(x-4)$
-7 $3(x-4)=5(2x-3)-2(3x-5)$

6 $\frac{2}{3}x=4$
0.1 $\frac{2a+1}{2}=\frac{3}{5}$
-3 $\frac{2(4x-3)}{5}=-6$
11 $\frac{h+1}{4}=3$
-3 $\frac{7-d}{4}=\frac{5}{2}$
8 $\frac{2x-1}{3}=5$
1 $\frac{x+1}{2}+\frac{x-1}{3}=1$
19 $\frac{x+2}{3}-\frac{x+1}{4}=2$
12 $\frac{x}{2}-\frac{x}{3}=2$

Solving Equations Game

Earn points by solving the equations. Harder equations are worth more points.

Solve as many as you can in the time given.

1 Point Each

a) 6
b) 7
c) 4
d) 15
e) 4
f) 10
g) 8
h) 8

2 Points Each

a) 10
b) 4
c) 3
d) -2
e) ½
f) -3
g) 7.5
h) 2.5
i) 7
j) -18
k) -0.8
l) -18
m) -0.9
n) 4

3 Points Each

a) 3
b) 5
c) 6
d) 8
e) 2
f) 4
g) 5

4 Points Each

a) -1
b) 8.5
c) -2
d) ½
e) 2
f) 4
g) 1
h) 5
i) 3

5 Points Each

a) -2
b) ½
c) 4/5
d) 2
e) ½
f) -6

6 Points Each

a) 6
b) 4
c) -3
d) 1.5

e) 2

f) 8

g) 4.5

h) -10

i) 4/9

j) 24

k) 2

l) -18

m) -7

n) 6

o) 0.1

p) -3

q) 11

r) -3

s) 8

t) 1

u) 19

v) 12