

Equation Pyramids

1

Each brick is the two bricks below it added together.
Complete the Pyramid, write an equation for x and solve it!

A)

20		
x	3	4

$x =$

B)

20		
2	6	x

$x =$

C)


15		
5		
3		$x + 3$

$x =$

D)

18		
$x + 2$		
x		x


$x =$



E)

20			
4			
	1	x	2

$x =$



F)



33				
		$x + 4$		
$2x$	2		$x + 3$	
	0			3

$x =$

G)

10				
$2x + 2$		$x - 3$		
2			x	2

$x =$

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A)

20		
x	3	4

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B)

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2	6	x

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15		
5		
3		$x + 3$

$x =$

D)

18		
$x + 2$		
x		x


$x =$



E)

20			
4			
	1	x	2

$x =$



F)



33				
		$x + 4$		
$2x$	2		$x + 3$	
	0			3

$x =$

G)

10				
$2x + 2$		$x - 3$		
2			x	2

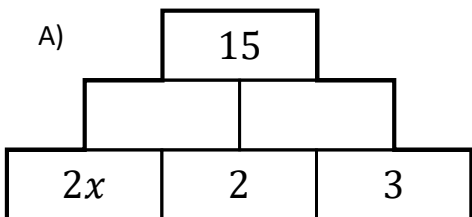
$x =$

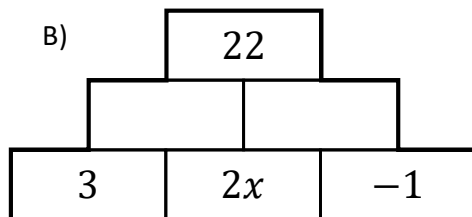
Equation Pyramids

2

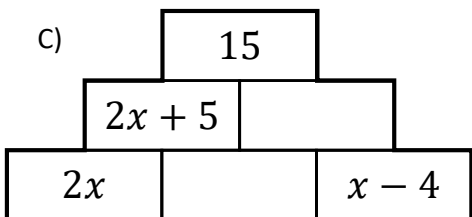
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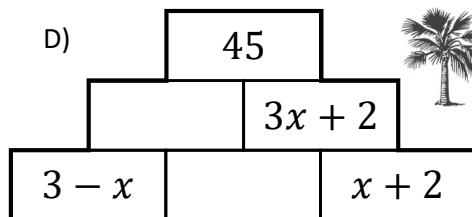
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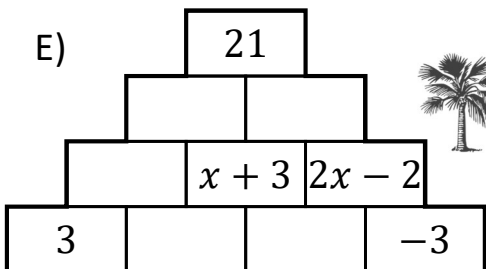
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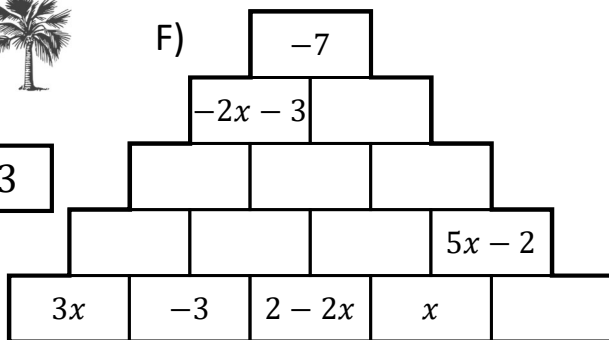
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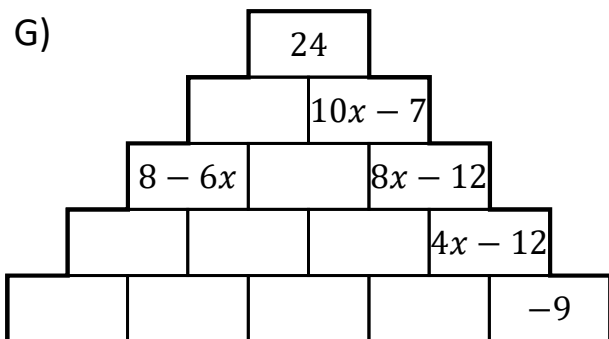
$x =$



$x =$



$x =$

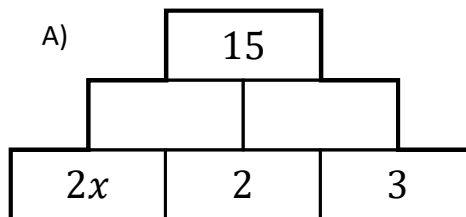


$x =$

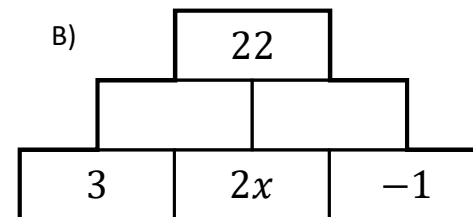
Equation Pyramids

2

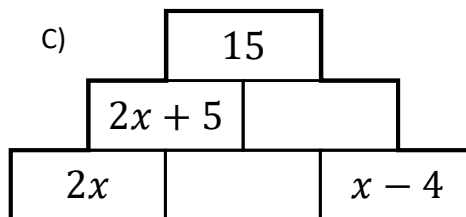
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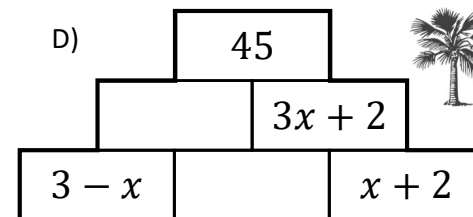
$x =$



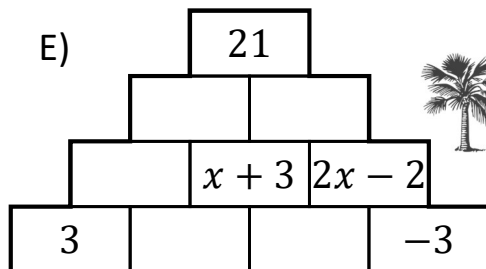
$x =$



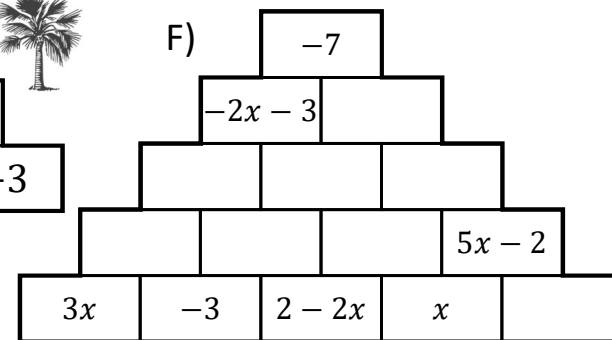
$x =$



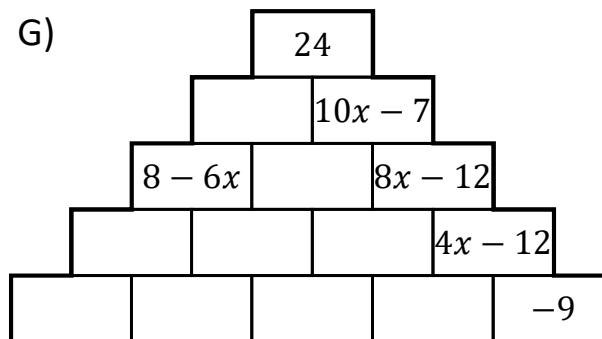
$x =$



$x =$



$x =$



$x =$

Equation Pyramids

1

Each brick is the two bricks below it added together.
Complete the Pyramid, write an equation for x and solve it!

A)

20		
$x + 3$	7	
x	3	4

$x = 10$

B)

20		
8	$x + 6$	
2	6	x

$x = 6$

C)


15		
5	$x + 5$	
3	2	$x + 3$

$x = 5$

D)

18		
$x + 2$	$x + 2$	
x	2	x


$x = 7$



E)

20			
$x + 5$	$2x + 3$		
4	$x + 1$	$x + 2$	
3	1	x	2

$x = 4$



F)



33				
$3x + 6$		$3x + 9$		
$2x + 2$	$x + 4$	$2x + 5$		
$2x$	2	$x + 2$	$x + 3$	
$2x$	0	2	x	3

$x = 3$

G)

10				
$7x - 7$		$5x - 7$		
$4x - 1$	$3x - 6$	$2x - 1$		
$2x + 2$	$2x - 3$	$x - 3$	$x + 2$	
2	$2x$	-3	x	2

$x = 2$

Answers

Equation Pyramids

2

Each brick is the two bricks below it added together.
Complete the Pyramid, write an equation for x and solve it!

A)

15		
$2x + 2$	5	
$2x$	2	3

$x = 4$

B)

22		
$2x + 3$	$2x - 1$	
3	$2x$	-1

$x = 5$

C)


15		
$2x + 5$	$x + 1$	
$2x$	5	$x - 4$

$x = 3$

D)

45		
$x + 3$	$3x + 2$	
$3 - x$	$2x$	$x + 2$


$x = 10$



E)

21			
8	$3x + 1$		
$5 - x$	$x + 3$	$2x - 2$	
3	$2 - x$	$2x + 1$	-3

$x = 4$



F)



-7				
$-2x - 3$		$x + 1$		
$x - 4$	$1 - 3x$	$4x$		
$3x - 3$	$-2x - 1$	$2 - x$	$5x - 2$	
$3x$	-3	$2 - 2x$	x	$4x - 2$

$x = 5$

G)

24				
$13 - 4x$		$10x - 7$		
$8 - 6x$	$2x + 5$	$8x - 12$		
$3 - 4x$	$5 - 2x$	$4x$	$4x - 12$	
$1 - 2x$	$2 - 2x$	3	$4x - 3$	-9

$x = 3$

Answers