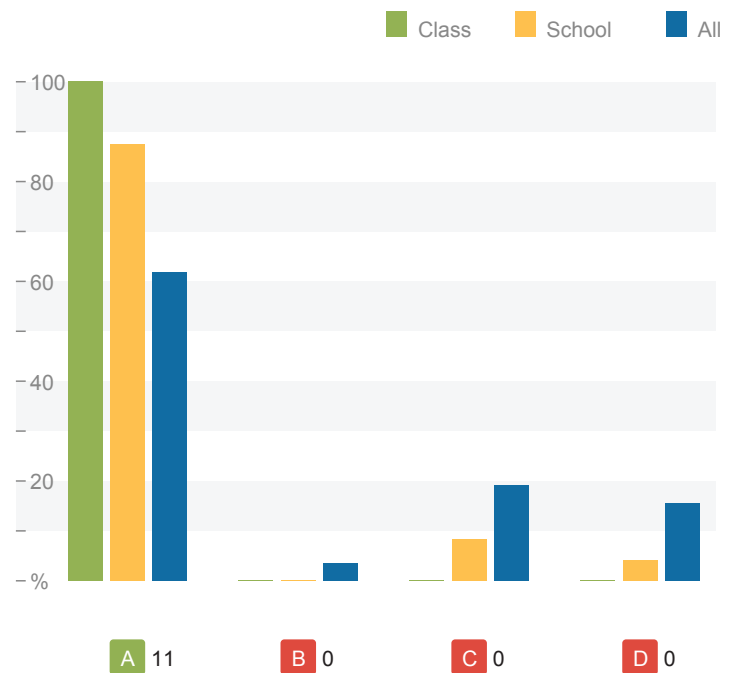## Students' Results

Class   School   All

What is an expression for the perimeter of this shape?

$2x + 1$

x

a) $6x + 2$ b) $8x$

c) $2x^2 + x$ d) $3x + 1$

ATTEMPTS: 11 out of 20 students answered this question

A 11   B 0   C 0   D 0

Top
Explanations

A

I think this a to find the perimeter you add up the lengths of all the sides, to know the left side we know its x as its parallel with the other side that's x and then the same goes for the bottom one which is 2x+1. so to find the perimeter of this rectangle I did x + x + 2x+1 + 2x+1 = 6x + 2

A

you have to add x and x together to make 2x then you add 2x+2x together to make 4x, then you add 4x to 2x and this makes 6x finally you add the 1 and 1 together to make 2 add that to 6x and you have 6x+2

A

There are four sides on this shape. The same again the two length sides are the same and the two width sides are the same also. So the expression is going to be x+x+2x+1+2x+1,when simplified down you add all of the x's together meaning you get 6x and then you add both ones which gets you 2, so your final answer is 6x+2

B

$(2x + 1) \times 2 = 4x + 2,$
$(x) \times 2 = 2x,$
$4x + 2 = 6x,$
$6x + 2x = 8x$

C

because you are multiplying them all together, 2x X x = 2x2. 1 X x = 1x. You can not add 1x to 2x2 because 1x is not squared however you could if you were multiplying.

D

I think it is this because you add the X onto the 2x to get 3X then you add 1 to get 3X + 1

GCSE Maths Higher

ENDING
17 Mar 2015
AT
23:00

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Students' Explanations

NAME	ANSWER	EXPLANATION
GEORGIA BARNES	A	Because 2x+1 x2 is 4x+2 and then add 2x for the other 2 sides
CHLOE BREEN	A	
BETHANY CARTER	A	all sides added together
JOSEPHINE CLEARY	A	Two sides are 2x + 1 and two sides are x so in total that's 2x + 1 + 2x + 1 + x + x= 2x + 2x + x + x + 1 + 1 =6x +2
CAITLIN DREW	A	Add up the lengths of all sides to find the perimeter
ADAM GOGGINS	A	
OLIVIA MCQUAID	A	2x+2x+x+x=6x
TIMOTHY MONTEVERDE	A	Add up all sides
JENNIFER MURPHY	A	YOu do 2x + 1 + 2x + 1 + x + x
Tom Nguyen	A	2x+1+2x+1+x+x=6x+2
KARL SHERMAN	A	all sides added together
HANNAH CHUNG		
KELSEY COOLEY		
KURTIS DAVIES		
JORDAN HINDLEY		
KIEL MALPASS		

Students' Explanations

NAME	ANSWER	EXPLANATION
MATTHEW MCARDLE		
CALMCCULLOCH		
ELLIEROBERTS		
Test Student		

Students' Results

Class   School   All

If the **black graph is y = f(x),** what is the equation of the **red graph**?

A $y = f(x) - 2$ B $y = f(x - 2)$

C $y = f(x) + 2$ D $y = f(x + 2)$

ATTEMPTS: 11 out of 20 students answered this question

A 3   B 1   C 0   D 7
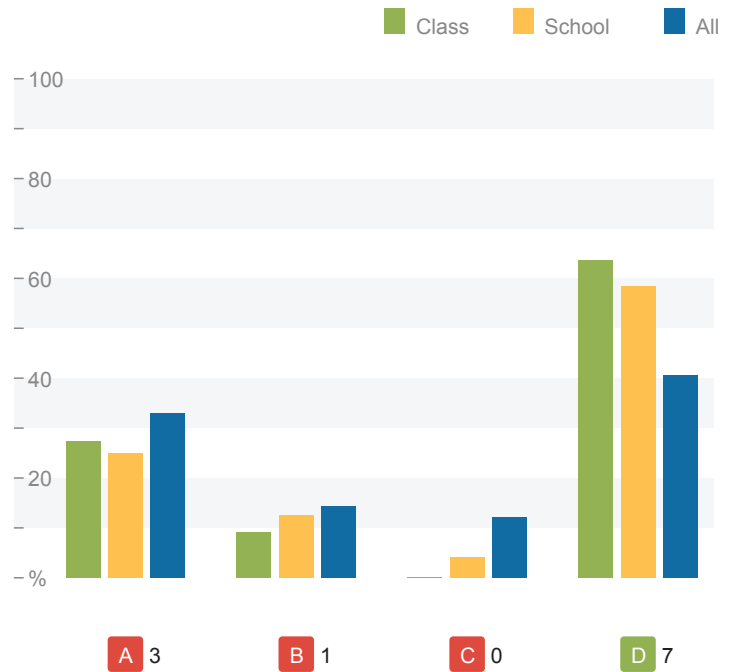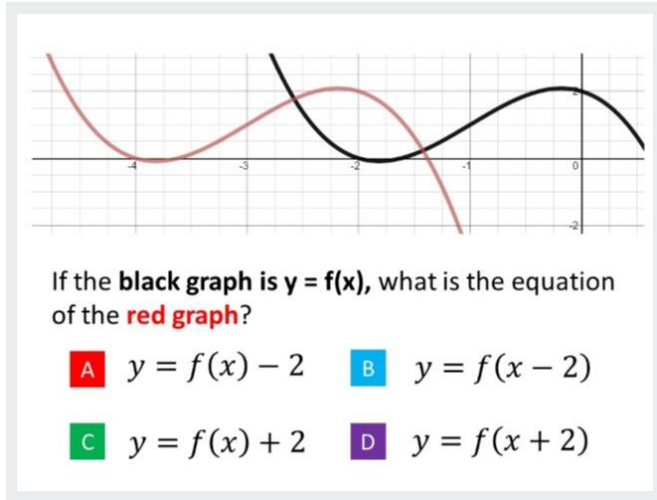
Top Explanations

D

Kodie told me

D

When you add something on inside the brackets the graph moves left/right, when you add something on outside the brackets the graph moves up/down. When you add a positive number outside the brackets the graph moves left, if the number is negative it moves right. Here the graph has moved 2 to the left so it's f(x)+2

D

Because it's two behind the other graph so add to to make it equal I think

A

f = -2
to get from -2 to 2 you have to times by -1 for the red graph, f = -4.
if x is -1, that means that -4 x -1 = 4
however, the red graph hits 2, so you need to -2.
-4(-1)-2

B

change in the x axis and has moved 2 spaces back

C

A positive nhver moves the graph left

GCSE Maths Higher

ENDING
17 Mar 2015
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Students' Explanations

NAME	ANSWER	EXPLANATION
CHLOEBREEN	A	
CAITLINDREW	A	
OLIVIAMCQUAID	A	
BETHANYCARTER	B	change in the x axis and has moved 2 spaces back
GEORGIABARNES	D	
JOSEPHINE CLEARY	D	When you add something on inside the brackets the graph moves left/right, when you add something on outside the brackets the graph moves up/down. When you add a positive number outside the brackets the graph moves left, if the number is negative it moves right. Here the graph has moved 2 to the left so it's f(x)+2
ADAM GOGGINS	D	
TIMOTHY MONTEVERDE	D	Out of brackets would move it up
JENNIFERMURPHY	D	It has gone two to the left so instead of -2 it is plus 2
Tom Nguyen	D	All the values of x have been translated by -2,0
KARLSHERMAN	D	+ means it shifts back
HANNAHCHUNG		
KELSEYCOOLEY		
KURTISDAVIES		
JORDANHINDLEY		
KIELMALPASS		

Students' Explanations

NAME	ANSWER	EXPLANATION
MATTHEW MCARDLE		
CALMCCULLOCH		
ELLIEROBERTS		
Test Student		