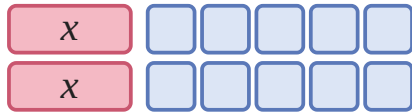


Expanding Single Brackets

ANSWERS

1

Expand $2(x + 5)$

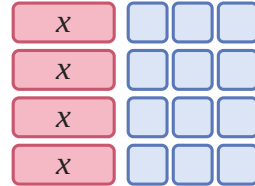


	x	$+5$
2	$2x$	$+10$

Answer $2x + 10$

2

Expand $4(x + 3)$

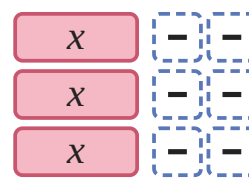


	x	$+3$
4	$4x$	$+12$

Answer $4x + 12$

3

Expand $3(x - 2)$

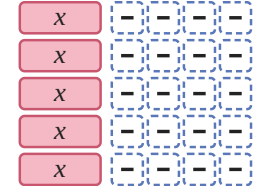


	x	-2
3	$3x$	-6

Answer $3x - 6$

4

Expand $5(x - 4)$

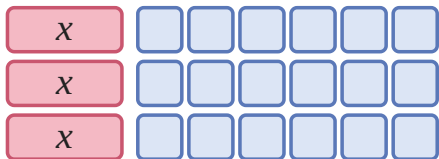


	x	-4
5	$5x$	-20

Answer $5x - 20$

5

Expand $3(x + 6)$

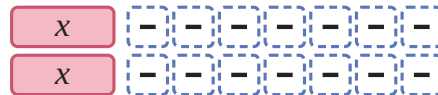


	x	$+6$
3	$3x$	$+18$

Answer $3x + 18$

6

Expand $2(x - 7)$

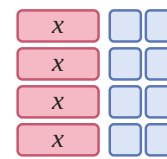


	x	-7
2	$2x$	-14

Answer $2x - 14$

7

Write the bracket for these tiles. Then expand it.



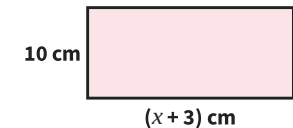
Bracket $4(x + 2)$

	x	$+2$
4	$4x$	$+8$

Answer $4x + 8$

8

Find the area of this rectangle. Write it with no bracket.



Bracket $10(x + 3)$

	x	$+3$
10	$10x$	$+30$

Area $10x + 30$ cm²

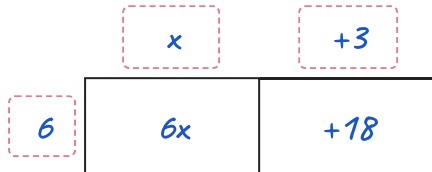
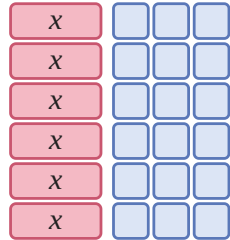
Expanding Single Brackets *further practice*

ANSWERS

9



Expand $6(x + 3)$

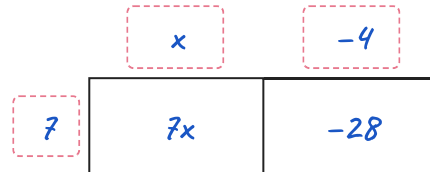
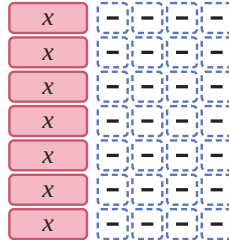


Answer $6x + 18$

10



Expand $7(x - 4)$

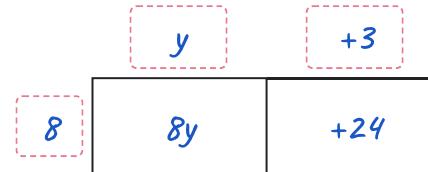
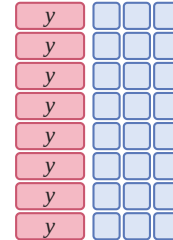


Answer $7x - 28$

11



Expand $8(y + 3)$

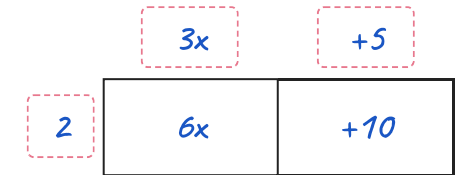


Answer $8y + 24$

12



Expand $2(3x + 5)$

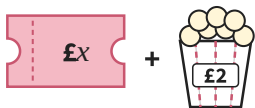


Answer $6x + 10$

13



A cinema ticket costs $\pounds x$.
Popcorn costs $\pounds 2$. 7 friends each
buy a ticket and popcorn.
Write the total cost with a bracket.
Then expand it.



Bracket $7(x + 2)$

$$7 \times x = 7x, 7 \times 2 = 14$$

Total $\pounds(7x + 14)$

14



Find the missing number.
 $5(x + \boxed{}) = 5x + 35$



35 squares in all

$$5 \times ? = 35$$

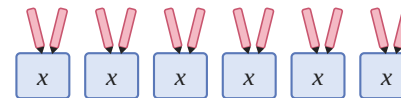
$$5 \times 7 = 35$$

Missing number 7

15



Each box holds x pens. Ben takes 2
pens out of each box.
There are 6 boxes. How many pens
are left? Write it with a bracket.
Then expand it.



Bracket $6(x - 2)$

$$6 \times x = 6x, 6 \times 2 = 12$$

Pens left $6x - 12$

16



Sam has made a mistake.
What has Sam done wrong?

Sam expands $4(x + 5)$

Sam writes $4x + 5$

Sam forgot to multiply the 5 by 4

$$4 \times 5 = 20, \text{ not } 5$$

The right answer is $4x + 20$