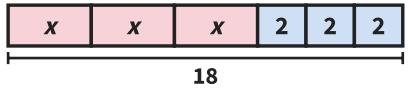
Equations with brackets

1

Solve

$3(x+2)=18$

put the bars in one row



Expand $3x + 6 = 18$

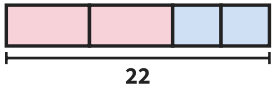
Answer

2

Solve

$2(x+6)=22$

put the bars in one row



Expand

Answer

3 expand first

Solve

$4(x+1)=36$

Answer

4

Solve $5(x - 4) = 15$

Answer

5

Solve $3(2x - 1) = 21$

Answer

6

Solve $3(x + 4) + 2(x - 2) = 33$

Expand

Collect like terms

Answer

7

Kai solves $4(x + 3) = 40$. His first line is $4x + 3 = 40$. Explain his mistake. Then solve the equation.

Answer

8

A gardener plants 5 rows of flowers. Each row has x tulips and 3 daffodils. She plants 65 flowers altogether, so $5(x + 3) = 65$. Explain why. Then solve it to find x.

Answer

Equations with brackets *further practice*

9

Solve $6(x - 3) = 42$

Answer _____

10

Solve $4(3x + 2) = 44$

Answer _____

11

Solve $3(x + 8) = 15$

Answer _____

12

Solve $2(x - 3) = 7$

Answer _____

13

Solve $4(x + 2) + 3(x + 5) = 51$

Answer _____

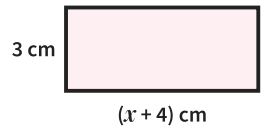
14

Mo solves $5(x - 3) = 30$ and gets $x = 3$.
Put his answer back into the equation to check it. Then solve the equation.

Answer _____

15

The perimeter of this rectangle is 26 cm. Find x.



Answer _____

16

Jay says, "5 does not go into 32, so $5(x + 2) = 32$ has no answer."
Is he right? Show how you know.

Answer _____