

Equations with Brackets

1

Solve $2(x + 3) = 16$

x	x	3	3
---	---	---	---

16

Expand $2x + 6 = 16$

both sides

both sides

Answer

2

Solve $4(x + 2) = 32$

x	x	x	x	2	2	2	2
---	---	---	---	---	---	---	---

32

Expand $4x + 8 = 32$

both sides

both sides

Answer

3

Solve $3(x - 1) = 21$

x	x	x	-1	-1	-1
---	---	---	----	----	----

21

Expand $3x - 3 = 21$

both sides

both sides

Answer

4

Solve $5(x - 2) = 35$

x	x	x	x	x	-2	-2	-2	-2	-2
---	---	---	---	---	----	----	----	----	----

35

Expand $5x - 10 = 35$

both sides

both sides

Answer

5

Solve $5(x + 3) = 35$

x	x	x	x	x	3	3	3	3	3
---	---	---	---	---	---	---	---	---	---

35

Expand

both sides

both sides

Answer

6

Solve $2(x - 4) = 12$

x	x	-4	-4
---	---	----	----

12

Expand

both sides

both sides

Answer

7

Write the equation for these bars.
Then solve it.

x	x	x	5	5	5
---	---	---	---	---	---

24

Equation

Expand

both sides

both sides

Answer

8

4 friends each buy a £x ticket and a £3 drink. They spend £40. Find x.

x	x	x	x	3	3	3	3
---	---	---	---	---	---	---	---

40

Equation

Expand

both sides

both sides

Answer

