

# Order of operations



1 Represent each calculation. Draw your answers.

a)  $(3 + 2) \times 3$

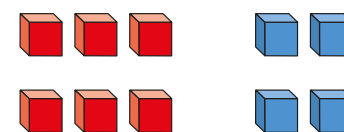
b)  $3 + (2 \times 3)$

c)  $2 + 3 \times 3$

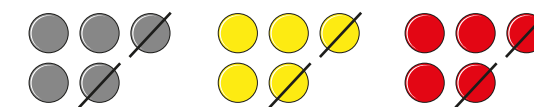
d)  $3 \times (2 \times 3)$

2 Complete the calculations.

a)  $(3 + \square) \times 2$



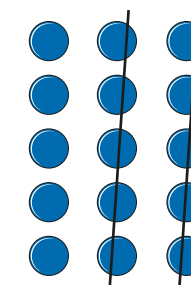
c)  $(\square - \square) \times 3$



b)  $\square + 2 \times \square$

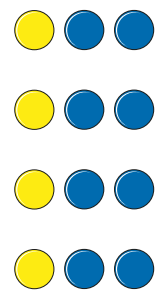


d)  $15 - (\square \times \square)$



3 Draw a representation to match each calculation.

One has been done for you.

$4 \times (1 + 2)$ 	$4 \times 2 + 1$
$(10 - 3) \times 2$	$10 - 3 \times 2$



- 4 Insert brackets to make the calculations correct.

$5 + 5 \times 5 = 50$	$100 - 100 \div 10 = 0$
$75 = 20 + 5 \times 1\frac{1}{2} + 1\frac{1}{2}$	$10 - 10 \times 10 = 50 + 50 - 100$

- 5 Insert operations and brackets to make as many different numbers as you can.

One has been done for you.

$$(4 + 4) \times 4 = 32 \quad 3 \quad 3 \quad 3 \quad 3 = \boxed{\phantom{000}}$$

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- 6 Dora saves £100 and is given £25 by her gran.

She buys 7 books, each costing £5 and 7 pens each costing £2

Write a calculation with brackets to work out how much money Dora has left.

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- 7 King Lear owned 48 counties.

He shared them equally between his three daughters.

One of the daughters gave 15 of her counties away.

Write a calculation to show how many counties she kept.

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- 8 Write a story problem for each calculation.

a)  $(1,000 - 250) \div 5$

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b)  $1,000 - 250 \div 5$

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