Order of operations

1 Represent each calculation. Draw your answers.

a) (3 + 2) × 3

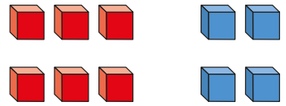
b) 3 + (2 × 3)

c) 2 + 3 × 3

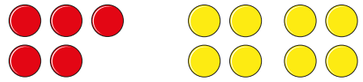
d) 3 × (2 × 3)

2 Complete the calculations.

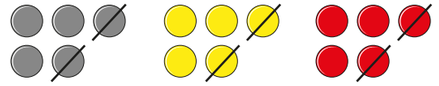
a) (3 + ☐) × 2



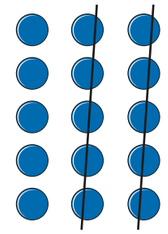
b) ☐ + 2 × ☐



c) (☐ – ☐) × 3

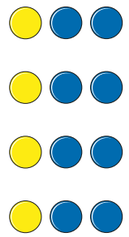


d) 15 – (☐ × ☐)



3 Draw a representation to match each calculation.

One has been done for you.

4 × (1 + 2) 	4 × 2 + 1
(10 – 3) × 2	10 – 3 × 2

4 Insert brackets to correctly complete the calculations.

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

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

One has been done for you.

$(4 + 4) \times 4 = 32$

$4 \quad 4 \quad 4 = \square$

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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.

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.

8 Write a story problem for each calculation.

$(1{,}000 - 250) \div 5$

$1{,}000 - 250 \div 5$