Order of operations

1 Represent each calculation. Draw your answers.

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

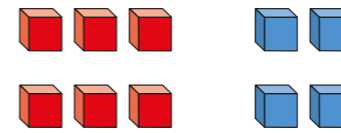**b)** $3 + (2 \times 3)$

c) $2 + 3 \times 3$
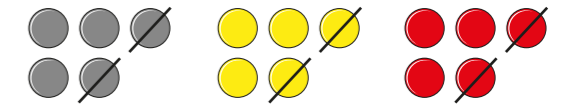
d) $3 \times (2 \times 3)$
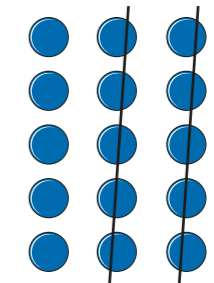
2 Complete the calculations.

a) $(3 + \boxed{}) \times 2$

c) $(\boxed{} - \boxed{}) \times 3$

b) $\boxed{} + 2 \times \boxed{}$

d) $15 - (\boxed{} \times \boxed{})$
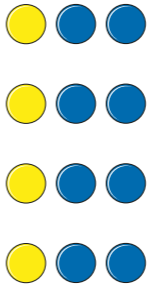
3 Draw a representation to match each calculation.

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 correctly complete the calculations.

5 + 5 × 5 = 50	100 − 100 ÷ 10 = 0
75 = 20 + 5 × $1\frac{1}{2}$ + $1\frac{1}{2}$	10 − 10 × 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) × 4 = 32   3   3   3   3 = ☐

4   4   4 = ☐   3   3   3   3 = ☐

4   4   4 = ☐   3   3   3   3 = ☐

4   4   4 = ☐   3   3   3   3 = ☐

4   4   4 = ☐   3   3   3   3 = ☐

4   4   4 = ☐   3   3   3   3 = ☐

4   4   4 = ☐   3   3   3   3 = ☐

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) ÷ 5

_____

_____

_____

1,000 − 250 ÷ 5

_____

_____

_____