

1. Work out these pairs of calculations. Show your working.

|                |                    |                     |
|----------------|--------------------|---------------------|
| <b>Example</b> | $(4 \times 3) + 2$ | $4 \times (3 + 2)$  |
|                | $= 12 + 2$         | $= 4 \times 5 = 20$ |

(a)  $(5 \times 4) + 3$

$5 \times (4 + 3)$

(b)  $(6 + 3) \times 2$

$6 + (3 \times 2)$

(c)  $(12 - 6) \times 2$

$12 - (6 \times 2)$

(d)  $(16 \div 4) \times 2$

$16 \div (4 \times 2)$

2. Put brackets in these calculations to make the answer correct.

(a)  $3 \times 2 + 3 = 15$

(b)  $3 \times 2 + 3 = 9$

(c)  $12 \div 3 - 1 = 3$

(d)  $12 \div 3 - 1 = 6$

3. Use exactly four 4s each time, and as many operation signs and brackets as you need, to make as many numbers as you can from 0 to 29.

|                 |                               |                          |
|-----------------|-------------------------------|--------------------------|
| <b>Examples</b> | $(4 \div 4) + (4 \div 4) = 2$ | $44 - (4 \times 4) = 28$ |
|-----------------|-------------------------------|--------------------------|