NA 81 Multiplying by a multiple of 10

3 x 40 shorts

Maths Builder Online Reference: **Multiplication and Division 4:NA81**

Teaching

There are 3 crates of 40 milk cartons.
How many cartons altogether?

1 Using repeated addition

$3 \times 40 = 40 + 40 + 40 = 120$

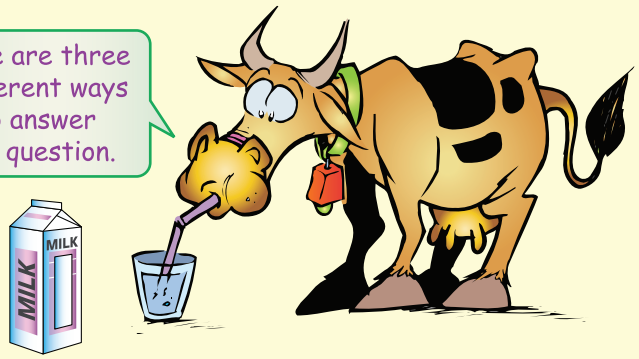
2 Using place value

$3 \times 40 = 3 \times 4 \text{ tens} = 12 \text{ tens} = 120$

3 Using factoring

$3 \times 40 = 3 \times 4 \times 10 = 12 \times 10 = 120$

Here are three different ways to answer the question.



There are 120 cartons.

1 Use **repeated addition** to solve these problems.

a 4 boxes of 20 candles

__ + __ + __ + __ = __

b 3 bags of 50 balls

__ + __ + __ = __

c 3×20 __ **d** 3×60 __ **e** 4×30 __ **f** 4×50 __

2 Use **place value** to complete these problems.

a 5 boxes of 50 = 5×5 tens = __ tens = __

b 4×20 = __ × __ tens = __ tens = __

c 8×50 __ **d** 3 tins of 60 pins __ pins

e 6×40 __ **f** 7 cups of 30 mL __ mL

Which method do you like using the most?

3 Use **factoring** to complete these problems.

a 7 cartons of 70 pencils = $7 \times 7 \times 10$ = __ × 10 = __ pencils

b 3 groups of 30 pens = 3 × __ × 10 = __ × 10 = __ pens

c 6×20 __ **d** 4×40 __ **e** 7×50 __ **f** 9×30 __

4 Choose the most appropriate method from above to answer these questions.

a 2×30 __ **b** 6×50 __ **c** 9×20 __ **d** 8×90 __

e 2×50 __ **f** 2×90 __ **g** 4×40 __ **h** 4×70 __

i 6×70 __ **j** 7×90 __ **k** 3×60 __ **l** 5×30 __

ACMNA076 (Y4 Number and place value/S2 Multiplication and division 2)

See also Maths Builder **Multiplication and Division 4:NA76C** Multiplication of two-digit numbers.

Maths Builder Year 4
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