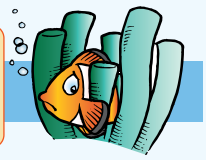
NA 30 More addition strategies

Maths Builder Online Reference: **Addition and Subtraction 3:NA30**

Watch out for these addition strategies.



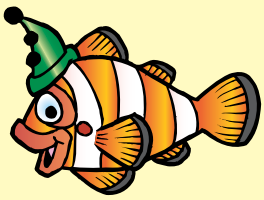
Changing the order of addends

Add the numbers in the most convenient order.

$16 + 8 + 4 = 16 + 4 + 8$ (20 over 16 + 4; 20 over 16 + 4)

$= 20 + 8 = 28$

You can add numbers in any order.



Compensation Strategy

To add 29, first add 30 then subtract 1.

$63 + 29$ Say $63 + 30 - 1 = 93 - 1 = 92$

Using Patterns

Look for patterns.

$7 + 2 = 9$ so $70 + 20 = 90$ and $700 + 200 = 900$.

$8 - 2 = 6$ so $80 - 20 = 60$ and $800 - 200 = 600$.

1 Complete these by finding two numbers that add to make a tens number first.

a $46 + 7 + 4 =$ ☐ (50)

b $13 + 9 + 7 =$ ☐

c $5 + 6 + 35 =$ ☐

d $52 + 9 + 8 =$ ☐

e $37 + 10 + 3 =$ ☐

f $71 + 9 + 16 =$ ☐

2 Write these numbers using a tens number.

a 39 is 40 − 1. **b** 79 is ☐ − ☐. **c** 49 is ☐ − ☐. **d** 58 is ☐ − ☐.

Try these in your head.

e $31 + 19 =$ ☐ **f** $63 + 29 =$ ☐ **g** $57 + 19 =$ ☐

h $38 + 49 =$ ☐ **i** $44 + 38 =$ ☐ **j** $23 + 58 =$ ☐

38 is equal to 40 − 2.

3 Use patterns to show addition and subtraction of tens and of hundreds.

a $5 + 4 =$ ☐, $50 + 40 =$ ☐, $500 + 400 =$ ☐

b $7 + 2 =$ ☐, $70 + 20 =$ ☐, $700 +$ ☐ $=$ ☐

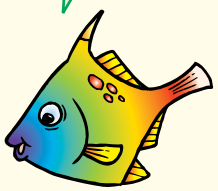
c $3 + 5 =$ ☐, ☐ $+$ ☐ $=$ ☐, $300 +$ ☐ $=$ ☐

d $7 - 3 =$ ☐, $70 - 30 =$ ☐, $700 - 300 =$ ☐

e $9 - 4 =$ ☐, ☐ $-$ ☐ $=$ ☐, $900 -$ ☐ $=$ ☐

f $11 - 5 =$ ☐, ☐ $-$ ☐ $=$ ☐, $1100 -$ ☐ $=$ ☐

I see patterns.



ACMNA055 (Y3 Number and place value/S2 Addition and subtraction 1)

Optional: Working Mathematically 6 (WM 3:06), Mentals 11 and 12 (WM 3:61M and WM 3:62M)

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