## NA35 Equivalent number sentences

1 Keep the number sentence balanced as you work out the missing number.
a When a number is added to 10 the answer is the same as 34 minus 3 .

c When a number is added to 50 it is the same as 6 multiplied by 9 .

b When a number is added to 100 the answer is the same as 80 plus 35 .
$\square$
d When a number is added to 20 it is the same as 30 plus 3 .


2 How much must be added to the lighter side to make the scales balance?


3 Jon's luggage weighs 23 kg and 7 kg , and is the same total mass as Ben's luggage.
How much does Ben's small bag weigh if the large suitcase weighs 19 kg ? $\square$

## NA35 Equivalent number sentences

1 Keep the number sentence balanced as you work out the missing number.
a When a number is added to 10 the answer is the same as 34 minus 3 .

| $\square+10$ | $=34-3$ |
| ---: | :--- |
| $\square+10$ | $=31$ |
| $\square+10+10$ | $=31-10$ |
| $\square$ | $=21$ |
| $21+10$ | $=34-3$ |

c When a number is added to 50 it is the same as 6 multiplied by 9 .

| $\square+50$ | $=6 \times 9$ |
| ---: | :--- |
| $\square+50$ | $=54$ |
| $\square+50+50$ | $=54-50$ |
| $\square$ | $=4$ |
| $4+50$ | $=6 \times 9$ |

b When a number is added to 100 the answer is the same as 80 plus 35 .

d When a number is added to 20 it is the same as 30 plus 3 .


2 How much must be added to the lighter side to make the scales balance?


| $15+21$ | $=12+\square$ |
| ---: | :--- |
| 36 | $=12+\square$ |
| $36-12$ | $=12-12+\square$ |
| 24 | $=\square$ |
| $15+21$ | $=12+24$ |



$$
\begin{aligned}
50 & =7+7+20+\square \\
50 & =34+\square \\
50-34 & =34-34+\square \\
16 & =\square \\
50 & =7+7+20+16
\end{aligned}
$$

3 Jon's luggage weighs 23 kg and 7 kg , and is the same total mass as Ben's luggage. How much does Ben's small bag weigh if the large suitcase weighs 19 kg ? 11 kg

