

YEAR 4: ADDITION AND SUBTRACTION

Strategy 1: I am learning to solve addition problems where one number is close to 10 and the answer is not more than 100



View lesson
online at:

www.teachertools.co.nz

Take one away from the 45. We will add this one to the 9 to change it into a tidy number.

Example One: $45 + 9 = 54$

$$\begin{array}{r} 45 + 9 = ? \\ -1 \downarrow \quad \downarrow +1 \\ 44 + 10 = 54 \end{array}$$

Add one to this side to change 9 into 10.

Add two to the 38 to change it into a tidy number.

Example Two: $38 + 7 = 45$

$$\begin{array}{r} 38 + 7 = ? \\ +2 \downarrow \quad \downarrow -2 \\ 40 + 5 = 45 \end{array}$$

Subtract two from the 7. You used this two to change 38 into 40.

1) Fill in the gaps below.

a)

$$\begin{array}{r} 27 + 9 = ? \\ -1 \downarrow \quad \downarrow +1 \\ 26 + 10 = \dots\dots \end{array}$$

f)

$$\begin{array}{r} 37 + 11 = ? \\ +1 \downarrow \quad \downarrow -1 \\ 38 + \dots\dots = \dots\dots \end{array}$$

k)

$$\begin{array}{r} 43 + 8 = ? \\ -\dots\dots \downarrow \quad \downarrow +2 \\ \dots\dots + \dots\dots = \dots\dots \end{array}$$

b)

$$\begin{array}{r} 34 + 8 = ? \\ -2 \downarrow \quad \downarrow +2 \\ 32 + 10 = \dots\dots \end{array}$$

g)

$$\begin{array}{r} 24 + 12 = ? \\ +2 \downarrow \quad \downarrow -2 \\ \dots\dots + \dots\dots = 36 \end{array}$$

l)

$$\begin{array}{r} 29 + 3 = ? \\ +1 \downarrow \quad \downarrow -\dots\dots \\ \dots\dots + \dots\dots = \dots\dots \end{array}$$

c)

$$\begin{array}{r} 18 + 5 = ? \\ +2 \downarrow \quad \downarrow -2 \\ 20 + \dots\dots = 23 \end{array}$$

h)

$$\begin{array}{r} 36 + 9 = ? \\ -1 \downarrow \quad \downarrow +1 \\ \dots\dots + \dots\dots = \dots\dots \end{array}$$

m)

$$\begin{array}{r} 43 + 12 = ? \\ +\dots\dots \downarrow \quad \downarrow -2 \\ \dots\dots + \dots\dots = \dots\dots \end{array}$$

d)

$$\begin{array}{r} 33 + 9 = ? \\ -1 \downarrow \quad \downarrow +1 \\ \dots\dots + 10 = 42 \end{array}$$

i)

$$\begin{array}{r} 18 + 11 = ? \\ +1 \downarrow \quad \downarrow -1 \\ \dots\dots + \dots\dots = \dots\dots \end{array}$$

n)

$$\begin{array}{r} 38 + 9 = ? \\ -\dots\dots \downarrow \quad \downarrow +\dots\dots \\ \dots\dots + \dots\dots = \dots\dots \end{array}$$

e)

$$\begin{array}{r} 56 + 8 = ? \\ -2 \downarrow \quad \downarrow +2 \\ \dots\dots + 10 = \dots\dots \end{array}$$

j)

$$\begin{array}{r} 36 + 8 = ? \\ -2 \downarrow \quad \downarrow +2 \\ \dots\dots + \dots\dots = \dots\dots \end{array}$$

o)

$$\begin{array}{r} 44 + 12 = ? \\ +\dots\dots \downarrow \quad \downarrow -\dots\dots \\ \dots\dots + \dots\dots = \dots\dots \end{array}$$



p) Why does one number always get bigger and the other number always get smaller?

2) Complete the following questions. Set them out like the questions on the previous page.

- a) $63 + 9 = \dots\dots$
 b) $33 + 8 = \dots\dots$
 c) $46 + 11 = \dots\dots$

- d) $23 + 11 = \dots\dots$
 e) $36 + 9 = \dots\dots$
 f) $44 + 8 = \dots\dots$

- g) $55 + 12 = \dots\dots$
 h) $38 + 8 = \dots\dots$
 i) $43 + 9 = \dots\dots$

3) Word Problems.

a) I have 43 stamps and I collect 8 more stamps. How many stamps do I have now?



b) We have 16 oranges and we buy another 9 oranges. How many oranges do we have now?



c) Our class has 34 colouring pencils and our teacher buys us 8 more. How many colouring pencils do we have now?



d) I have made 23 biscuits on one baking tray and another 11 biscuits on another tray. How many biscuits have I made?



e) My brother has 26 marbles and I have 9 marbles. How many marbles do we have all together?

f) I spent 33 minutes cleaning my room this morning and another 12 minutes cleaning it this afternoon. How long have I spent cleaning my room today?



g) Sarah counts 54 white sheep in a paddock and 11 black sheep. How many sheep are there in total?



h) Zoe picked 45 strawberries and her little sister picked another 9 strawberries. How many strawberries have they picked in total?



i) Craig's chickens laid 13 eggs yesterday and another 9 today. How many eggs has he collected in the last two days?



j) Andrew read 12 books last term and another 15 books this term. How many books has he read in total over the last two terms?

Key Points

Change one of the numbers into a 10 (ten is a tidy number).
 One side gets bigger (adding) and the other side gets smaller (subtracting).

Why

It's easy to add 10 to another number because the ones digit never changes. (e.g. $13 + 10 = 23$)
 Because you are moving an amount from one group (making it smaller) to the other group (making it bigger).