

Using inverse operations

CAPS: Grade 4, Term 3

Numbers, Operations and Relationships

Using Addition and Subtraction as inverse operations.

Note

Addition is the inverse of subtraction.

They are opposite operations. E.g. $2 + 3 = 5$ and $5 - 3 = 2$

Activity 1

Fill in the correct sign (+ or -) to complete the following calculations. Then write the inverse / opposite calculation below. The first one has been done for you.

(a) $25 + 8 = 33$

$33 - 8 = 25$

(b) $65 \quad 20 = 45$

(c) $46 \quad 9 = 55$

(d) $66 \quad 9 = 57$

(e) $98 \quad 10 = 108$

(f) $168 \quad 10 = 178$

(g) $77 \quad 11 = 88$

(h) $54 \quad 11 = 65$

Activity 2

Use the given addition sum to make the inverse subtraction sum.

Example

$39 + 4 = 43$

$43 - 4 = 39$

(a) $97 + 1 = 98$

(b) $61 + 11 = 72$

(c) $28 + 9 = 37$

(d) $43 + 7 = 50$

(e) $18 + 5 = 23$

(f) $50 + 4 = 54$

Activity 3

Use the given subtraction calculations to make the inverse addition sum.

Example

$$49 - 4 = 45$$

$$45 + 4 = 49$$

a $67 - 1 = 66$

b $101 - 8 = 93$

c $42 - 6 = 36$

d $84 - 10 = 74$

e $79 - 9 = 70$

f $56 - 9 = 47$

g $38 - 2 = 36$

h $95 - 4 = 91$

i $56 - 6 = 50$

h $67 - 8 = 59$

j $120 - 8 = 112$

k $36 - 6 = 30$

l $95 - 10 = 85$

m $88 - 9 = 79$

n $54 - 8 = 46$

Teacher Tip

This lesson can also be integrated with language lesson on 'Opposites'. After recapping opposites, and when learners have grasped the concept, explain that there are opposites in Maths and Language.

