Show me!

Engage
(max 5 mins)

What is the symbol for addition?

What is the symbol for subtraction?

Engage
(max 5 mins)

How do I know if an equation is addition or subtraction?

We can identify what type of equation it is by ...

17 + 52 = addition/subtraction

Now it's your turn...

Engage
(max 5 mins)

Read the equations below. Circle the symbols (+ or -) and whether it is an addition or subtraction:

34 + 11 =	addition/subtraction	30 – 18 =	addition/subtraction
60 – 10 =	addition/subtraction	78 + 21 =	addition/subtraction
55 + 42 =	addition/subtraction	22 + 57 =	addition/subtraction

Key Learning: To identify whether an equation is addition or subtraction and solve.

Introduce

(5 mins)

Success Criteria:

- I know the symbols for addition and subtraction
- I can identify whether an equation is addition or subtraction by looking at the equations symbol.
- I can use P + P = W to solve addition equations.
- I can use W – P = P to solve subtraction equations.

Deepening: answer = , explain the mistake 2 step problems

Star Words

subtraction addition tens
ones symbol part whole

Let's Recap

What is addition?

Introduce

(5 mins)

What symbol do we use for addition equations?

Let's Recap

What is subtraction?

Introduce

(5 mins)

What symbol do we use in subtraction equations?

Nemo says *"I think this is an addition equation."*

53 + 12 = 65

I think Nemo is ... because ...

Let's circle the symbol to help us.

Can we label the parts and whole?

Nemo says "I think this is addition too."

$$87 - 40 = 37$$

I think Nemo is ... because ...

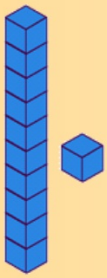
Let's circle the symbol to help us.

Can we label our parts and whole?

Can we solve the equation together?

Practise and consider

$$31 + 28 =$$

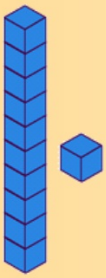


Is my equation addition or subtraction?

Can we solve the equation together?

Practise and consider

50 - 40 =

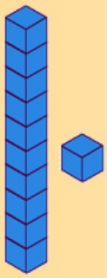


Is my equation addition or subtraction?

Can we solve the equation together?

Practise and consider

$$84 - 25 =$$

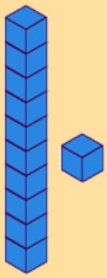


Is my equation addition or subtraction?

Can we solve the equation together?

Practise and consider

$$26 + 19 =$$



Is my equation addition or subtraction?

Independent

Model

Task 1: Copy these equations into your book and solve. You **will not** need to exchange your ten ones for a ten, or a ten for ten ones.

Independent task

34 + 13 =

28 - 24 =

69 - 32 =

50 + 35 =

Task 2: Copy these equations into your book and solve. You **will** need to exchange your ten ones for a ten, or a ten for ten ones.

30 - 8 =

15 + 19 =

44 + 27 =

83 – 65 =

Deepening

What's different about these equations?

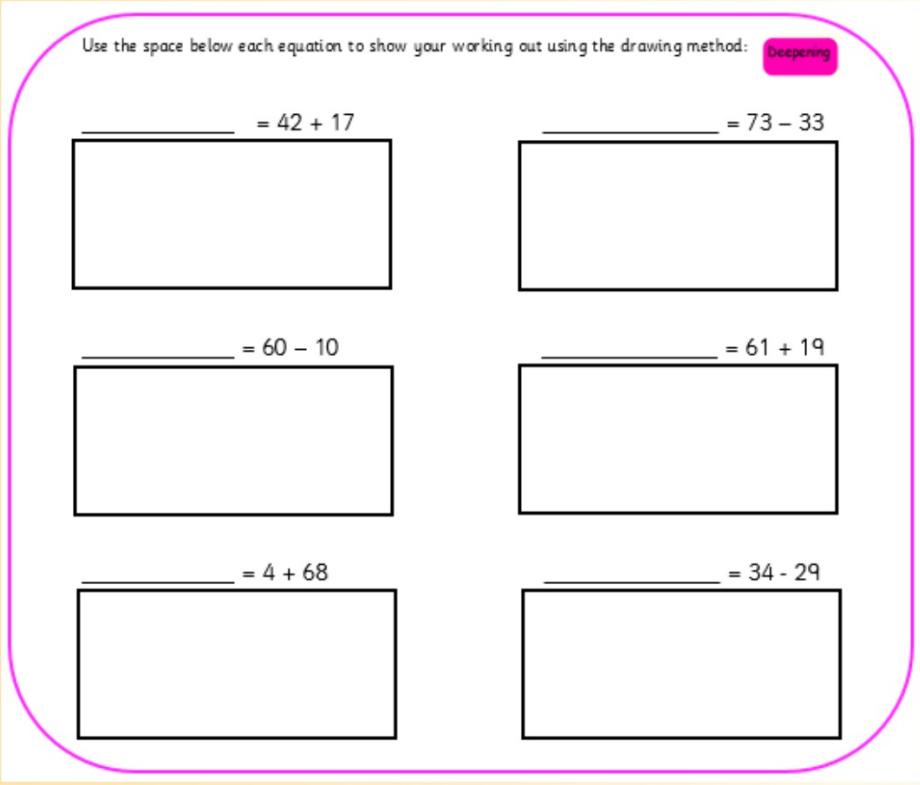
$$33 = 58 - 25$$

$$61 = 46 + 15$$

When the answer is at the start, an addition now looks like W = P + P.
When the answer is at the start, a subtraction now looks like P = W - P.

Deepening

Label the parts and whole to help you, then use the drawing methods to solve each equation.



I have 3 blue pens and 4 black pens. Altogether I have 7 pens. Tommy has 30 blue pens and 40 black pens. How many pens does he have in total?

Write the equation and show your working out:

Fill in the circles with either <, > or =

$6 + 4 \bigcirc 6 + 5$

$6 + 4 \bigcirc 3 + 6$

$11 - 4 \bigcirc 12 - 5$

$11 - 4 \bigcirc 12 - 4$

These calculations can't be right.

$24 + 6 = 84$
$25 - 23 = 12$
$18 - 3 = 21$

Tom has been solving some equations, but he thinks he has made some mistakes.

Can you explain what mistake he has made for each equation?

24 + 6 = 84. The mistake is _____

_____

25 – 23 = 12. The mistake is _____

_____

18 – 3 = 21. The mistake is _____

_____

Review and Improve

How do I know if the equation is addition or subtraction?

What is addition?

What is subtraction?