# Introdraing the Inverse 



## Meet Ingrid Inverse

This is Ingrid Inverse. Whatever you do, she will reverse it.

Sometimes, she is very useful. (Sometimes, she is not!)


## Meet Ingrid Inverse



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What is an inverse operation?

Inverse operations are opposite operations that reverse each other and cancel each other out.

Addition is the inverse of subtraction.


Subtraction is the inverse of addition.

The inverse operation can be used to help us check our calculations are correct.


## Meet Ingrid Inverse



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Ingrid is great at using the inverse! She has made some models to help you.

Discuss what you see. Which do you find the most helpful? Can you think of any other models that might help?


Click the models to hide them. Click here to show them all.


## Ingrid Inverses Again



## Ingrid Inverses Again

Can you make or draw some models to show Ben's calculation?

## Trying Inverses

## What would Ingrid do with these?

Remember, she likes to get back to where she started.


## Trying Inverses - Answers

What would Ingrid do with these?
Remember, she likes to get back to where she started.


## Back to Where We Started



## Diving into Mastery

Dive in by completing your own activity!


## Explain the Inverse




