# Subtracting Negative Numbers

### Prior Knowledge:

To know how to add negative numbers

To represent additions with positive and negative tiles and bars

### Activities:

Represent the following calculations with a picture:

### Prior Knowledge:

To know that adding a negative is the same as subtraction

### Activities:

Calculate the following:

Write the following in another form.

Eg.

### Aims:

To use this in reverse to understand subtraction **from** a negative.

### Activities:

Draw a picture to explain that

Use this to help explain why

Draw a picture to explain that

Use this to help you work out

Examples (as many as necessary)

Practice: Section A

### Aims:

To know a pictorial representation of subtraction **of** a negative

### Activities:

Negatives B Introduction

Examples

Draw a picture to show that:

Practice: section B

### Aims:

To know that subtracting a negative is the same as addition

### Activities:

Make a conjecture about a quick way to subtract a negative, without drawing the picture:

“Subtracting a negative is…”

Calculate these by converting them to additions:

When the addition involves a negative, show how you did it using tiles / a picture.

Examples, as many as necessary

Practice: Section C

### Aims:

To avoid common misconceptions regarding adding and subtracting negatives

### Activities:

In your pairs, write a list, with examples, of all the different types of questions involving negatives.

Positive + Negative

Negative + Positive…

Answers:

Negative + Negative

(Positive + Positive)

Positive - Negative

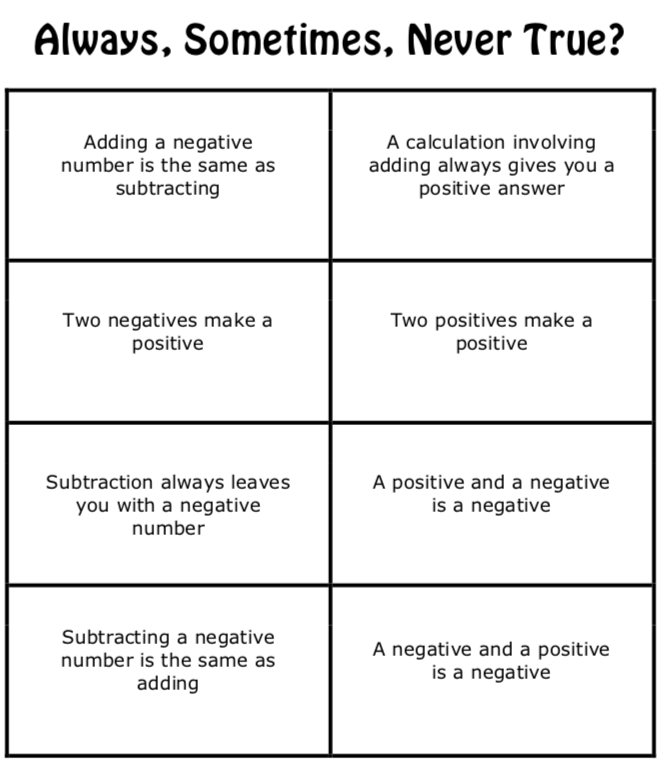
Negative - Positive

Negative - Negative

(Positive - Positive)

Practice: Section D

### Activities:



Give examples to explain why these are always, sometimes or never true.

### Assessment:

1. Complete the calculation
2. Represent it with a picture

Followed by:

Teaching / Further practice

OR

Section E extensions

