

### Crib sheet for GD through reasoning:

To be used for anything as simple as: *What is the difference between -3 and +3, Does  $14+16 = 40$ ? There are  $160^\circ$  in a triangle. Prove that  $4+6 = 10$ .*

- **Draw:** draw a bar model/number line/jottings/objects...
- **Explain:** write a written sentence with mathematical vocab
- **Prove it:** show mathematically (in a calculation) that it is correct or show one calculations where it does not work if you are disproving something
- **Show:** Get a physical resource to show an adult how it is done! (photo/teacher/TA to write)

Draw

Explain

Prove it

Show

Draw

Explain (using sentences)

Prove it (using calculations)

Show with objects