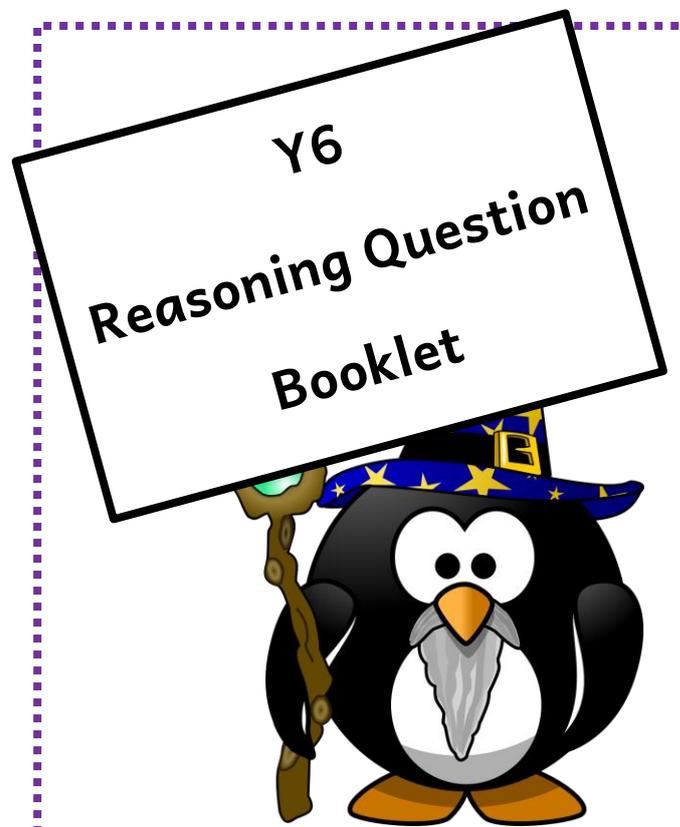


This pocket sized booklet is designed to be used with all adults supporting learners with numerical reasoning in Y6.

The questions are designed to support development of the learner's reasoning skills. The questions have been organised under the three numerical reasoning elements of the LNF and are also linked to RUCSAC.

The questions are not exhaustive and should be used as a starting point for developing questioning. Useful verbs have been included for developing your own questions.



Support with non-verbal interest	Nod head, rotate hand to indicate you want more...
Challenge learners to offer a reason	Can you explain why that works?
Cue alternative responses	Can you suggest another way of doing this?
Encourage learners to speculate	What would happen if...?
Invite learners to elaborate	Can you just say a little more about...?
Allow rehearsal of response	Think through your answer...

**Represent and communicate
Communicating workings –
Calculation, Solve, Answer)**

What is the best way to display your data?

What is the best way to display your workings? Are they clear?

Identifying processes and connections

Getting started on the problem
– Read, Underline

What other math can you connect with this?

What decisions can you make using the pattern you have found?

If I do this, what will happen?

Where else do you see?

Use verbs in your questions that encourage learners to communicate their thinking and understanding, to deepen their understanding and to extend their learning.

observe	evaluate
decide	conclude
notice	summarise
identify	infer
remember	visualise
compare	relate
contrast	differ
predict	consider
interpret	distinguish
explain	describe

Review

Checking the answer
– Check

Have you found all the possibilities? How do you know?

What changes did you have to make to solve the problem?

Can you think of any examples that don't work?

What questions arose as you worked?

What would you do if...?

Ask learners to think out loud	Can you go through that step by step?
Encourage learners to ask questions and engage in dialogue	Would anyone like to ask ... a question about that?
Encourage learners to make links	Can you remember anything else we did like this...?
Ask learners to repeat their explanation	Can you just say that again?
Think aloud with learners	Let's think this through together...
Make challenging statements	Someone in this group said... Were they right?