Lesson and Worksheet Format

Each topic is colour coded…

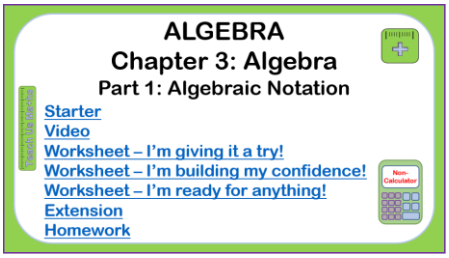
Green for approx. GCSE grades 1-3

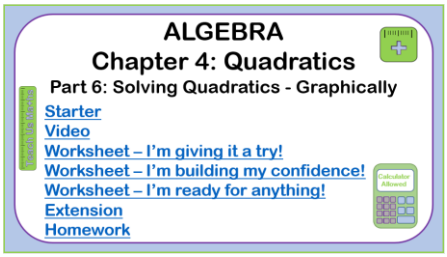
Blue for approx. GCSE grades 4&5

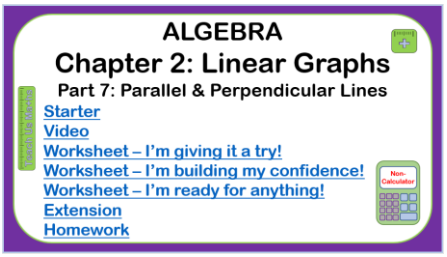
Purple for approx. GCSE grades 6-9

Green & Blue for FOUNDATION tier

Blue & Purple for HIGHER tier







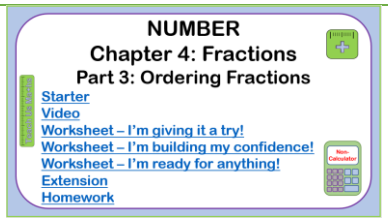
Choose the lesson, accompanying worksheet and video by:

- **TOPIC - select 'All'**
- **GCSE TIER - select 'Foundation' or 'Higher'**
- **GCSE GRADE - select '1-3' '4&5' or '6-9'**

Each lesson takes the following format…

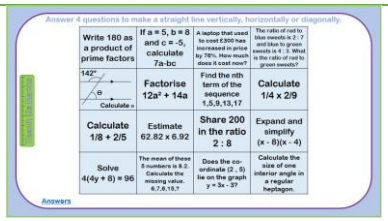
Slide 1

- Subject Area, Chapter and Part (Lesson Title)
- Quick links to specific parts of the lesson
- Links back to this page appear regularly throughout the lesson
- Calculator / Non-Calculator. This indicates whether a calculator is necessary or not for most of the questions, it acts as a guidance only.



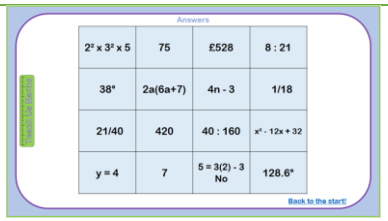
Slide 2

- Starter task
- Questions relating to 16 different areas of core skills relevant to that level
- Beneficial for a productive start to a lesson whilst promoting retrieval of previous learning



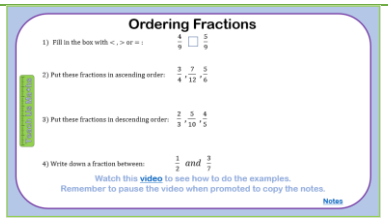
Slide 3

- Solutions to slide 2



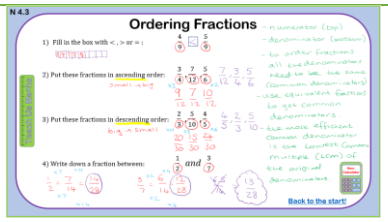
Slide 4

- Notes page, these questions are discussed and completed in the video
- Questions get progressively more difficult and directly relate to the differentiated tasks in slides 6-11
- Link to video



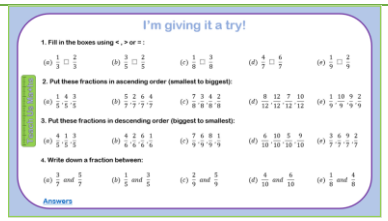
Slide 5

- Annotated notes and questions from slide 4 and as discussed in the video



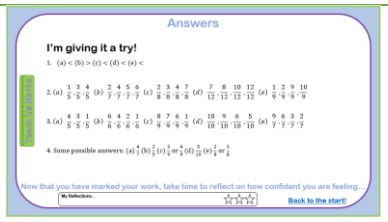
Slide 6

- 'I'm giving it a try!'
- The first, and most straight-forward, of the 3 tasks
- These differentiated tasks allow students to build up their confidence as they progress through the different levels of difficulty
- Many of these first tasks start with questions that are similar where only small details are changed, this helps students to develop a deeper mathematical understanding



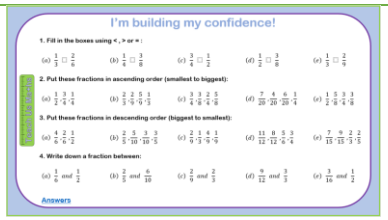
Slide 7

- Solutions to slide 6
- Students are prompted to evaluate their own understanding and confidence after each of the 3 tasks with space to make reflective notes and stars to shade creating a clear visual self-assessment



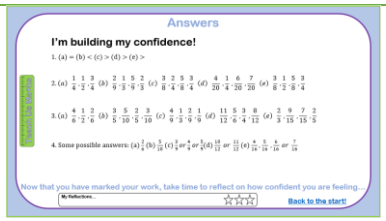
Slide 8

- 'I'm building my confidence!'
- The second, and slightly more difficult, of the 3 tasks
- These differentiated tasks allow students to build up their confidence as they progress through the different levels of difficulty



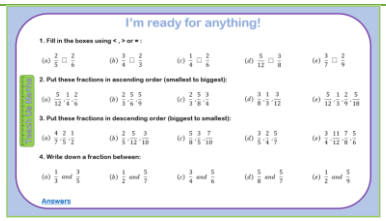
Slide 9

- Solutions to Slide 8
- Students are prompted to evaluate their own understanding and confidence after each of the 3 tasks with space to make reflective notes and stars to shade creating a clear visual self-assessment



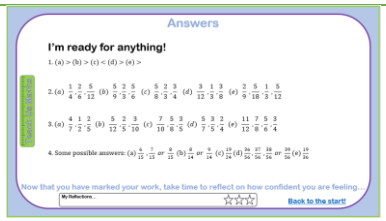
Slide 10

- 'I'm ready for anything!'
- The third, and most challenging, of the 3 tasks
- These differentiated tasks allow students to build up their confidence as they progress through the different levels of difficulty



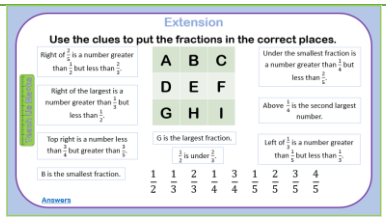
Slide 11

- Solutions to slide 10
- Students are prompted to evaluate their own understanding and confidence after each of the 3 tasks with space to make reflective notes and stars to shade creating a clear visual self-assessment



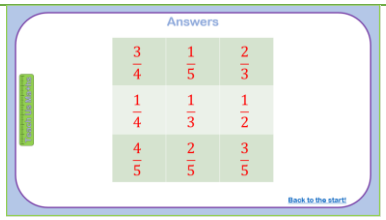
Slide 12

- Extension task
- This task could be a problem-solving task, a puzzle, or an open-ended task, an exam-style question, a real-life context (bigger picture) question, or a task that interleaves the topic being learnt with other areas of Mathematics
- The extension tasks are written to provide challenge and encourage deep-thinking, giving students an opportunity to apply their knowledge to more complex questions



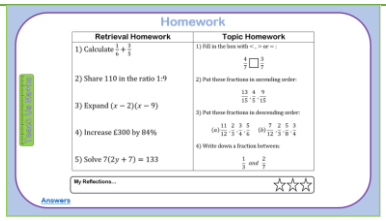
Slide 13

- Solutions to slide 12



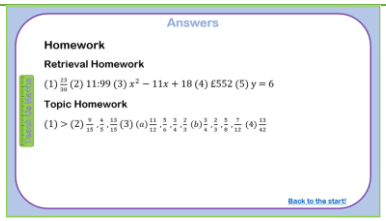
Slide 14

- Homework task comprising of 2 halves
- 5 core skills questions relevant to that level
- A task relating to the lesson. This section is often very similar to the questions that were on slides 4 and 5 and discussed during the video. Students, if struggling with the homework, can re-watch the video thus promoting independent learning
- Students are, once again prompted to evaluate their own understanding and confidence with space to make reflective notes and stars to shade creating a clear visual self-assessment



Slide 15

- Solutions to slide 14



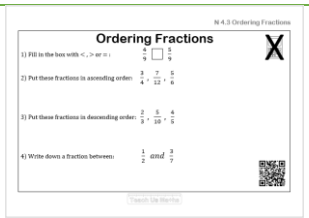
Each accompanying worksheet takes the following format…

Note: each section of the worksheet appears on a separate page.

This is to allow for individual choice when printing.

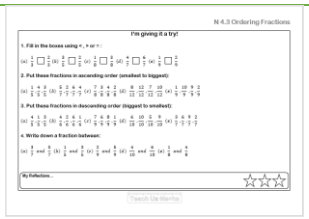
Page 1

- Student copy of the notes page seen in the video and on slides 4/5
- Lesson title and code appears on all worksheet pages
- QR code link to video
- Calculator / Non-Calculator. This indicates whether a calculator is necessary or not for most of the questions, it acts as a guidance only.



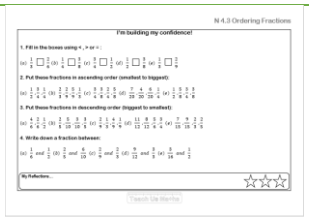
Page 2

- Student copy of 'I'm giving it a try!'
- The first, and most straight-forward, of the 3 tasks seen on slide 6 with self-evaluation section seen on slide 7



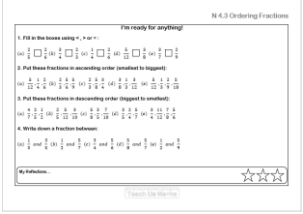
Page 3

- Student copy of 'I'm building my confidence!'
- The second, and slightly more difficult, of the 3 tasks seen on slide 8 with self-evaluation section seen on slide 9



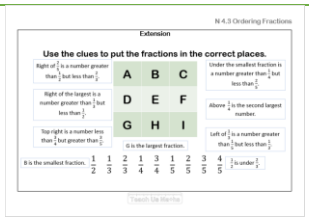
Page 4

- Student copy of 'I'm ready for anything!'
- The third, and most challenging, of the 3 tasks seen on slide 10 with self-evaluation section seen on slide 11



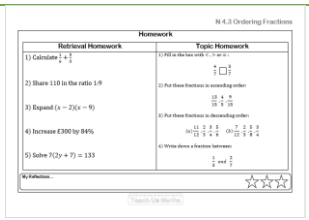
Page 5

- Student copy of the extension task seen on slide 12



Page 6 & 7

- Student copy of the homework task seen on slide 14
- The same homework task appears on 2 separate pages to allow for more choice when printing (e.g. 2 pages to a sheet)



Page 8

- This final page contains the solutions to pages 2-7 of the worksheet. In the lesson these solutions appear on the slides immediately following each task (slides 7, 9, 11, 13, 15)