

<p style="text-align: center;">Division strategies</p>	<p>Below are a variety of activities which will support your learning in division. Complete the activities which best suit your ability and confidence. Mild is the easiest level, Spicy is mid-level and Hot will probably be challenging for most of you! I have included some learning videos to teach strategies and concepts.</p> <p>When you have completed the activities, please mark your own work – and pay attention to any you get different answers for. Making mistakes is when learning takes place! If it seems too easy – try a more challenging level. If you don't understand, ask someone to help or try an easier level.</p> <p>You do not have to complete all the worksheets provided. Think about what you already know and what you need to do to extend your learning.</p> <p>Let us know how you get on by uploading your work or writing a comment in assignments.</p>
<p><u>MILD</u> LI: I can divide using arrays</p>	<p>Watch this video to remind you of the link between multiplication and division and how to use arrays https://www.youtube.com/watch?v=mwig70aQuHI</p> <p>Draw some arrays in your squared jotter – write out the multiplication and division sums for these arrays – you should have 4 sums for each array – 2 dividing sums and 2 multiplication sums</p> <p>Complete 'Arrays division (with answers). Mark your own work using the answer sheet.</p> <p>REMEMBER if you make a mistake use this as an opportunity to learn – where did you go wrong? What will you do differently next time?</p>

	<p>Complete 'Multiplying and dividing by 2'</p> <p>There's another video on BBC bitesize https://www.bbc.co.uk/bitesize/topics/zqbg87h/articles/z9pc8mn</p> <p>Complete 'Fives and Tens Division' sheet in your jotter. Use arrays or your knowledge of 5 and 10s times table facts to help you.</p> <p>Mark your own work using the answer sheet provided.</p> <p>Play Alien challenge to practise multiplication. Here's an online one if you don't have one at home https://www.online-stopwatch.com/chance-games/roll-a-dice/full-screen/</p>
<p><u>SPICY</u></p> <p>L1: I can use an empty number line and times tables facts to complete division calculations</p>	<p>Watch the videos in the SWAY – Repeated subtraction for dividing and Repeated addition to divide. These are strategies you can use to help you divide. They will support your mental calculations.</p> <p>From your work last week you should have an idea about which times tables you need to practise the most (although some people find dividing harder than multiplying) Choose the workbook pages that best suit your ability.</p> <p>Mark your own work using the answer sheets.</p> <p>You can play this game to practise https://www.topmarks.co.uk/number-facts/number-fact-families</p> <p>Or this one https://www.multiplication.com/games/play/division-4-row</p> <p>Post in assignments to let me know what you have achieved and what you need to practise next.</p>

HOT

L1: I can use a variety of strategies complete division calculations

L1: I can divide a 2 or 3 digit number by a single digit

Watch the videos in the SWAY – Repeated subtraction for dividing and Repeated addition to divide. These are strategies you can use to help you divide. They will support your mental calculations.

Complete the sheet 'Ultimate division challenge'. You can do this on the sheet if you have a printer or you can copy the questions into your jotter. You don't have to do it all in one day. Use the answer sheet to mark your work.

You can play this game <https://www.topmarks.co.uk/number-facts/number-fact-families>

Or this one <https://www.multiplication.com/games/play/division-4-row>

Watch the video in the SWAY – dividing beyond the tables

Watch this clip for another method

<https://www.youtube.com/watch?v=zyMzkyT29T4&feature=youtu.be>

Complete the worksheet : E10 Division beyond the tables

Use the answer sheet to mark your own work

THIS IS VERY CHALLENGING (AND SECOND LEVEL WORK). Don't worry if it's too tricky... but if you want a challenge then give it a go!

Watch this video showing 2 different strategies of how to divide a 3 digit number by a single digit (you can skip forward to 50 seconds in)

<https://www.youtube.com/watch?v=fvDpCT0uQw>

Practise these methods using these sums:

$$54 \div 3$$

$$120 \div 5$$

$$136 \div 4$$

Check your answers using a calculator (you can use an online one)

Complete the worksheet - dividing 3 digits by 1 digit

Mark your work using the answer sheet or by using a calculator

Post in assignments to let us know how you got on – you can either upload work or make a comment like ‘I don’t like this method – I found it confusing’ or ‘I kept practising and I got them all correct in the end’