

Discussion Problems

Step 2: Multiply by 3

National Curriculum Objectives:

Mathematics Year 3: (3C6) [Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables](#)

About this resource:

This resource has been designed for pupils who understand the concepts within [this step](#). It provides pupils with more opportunities to enhance their reasoning and problem solving skills through more challenging problems. Pupils can work in pairs or small groups to discuss with each other about how best to tackle the problem, as there is often more than one answer or more than one way to work through the problem.

There may be various answers for each problem. Where this is the case, we have provided one example answer to guide discussion.

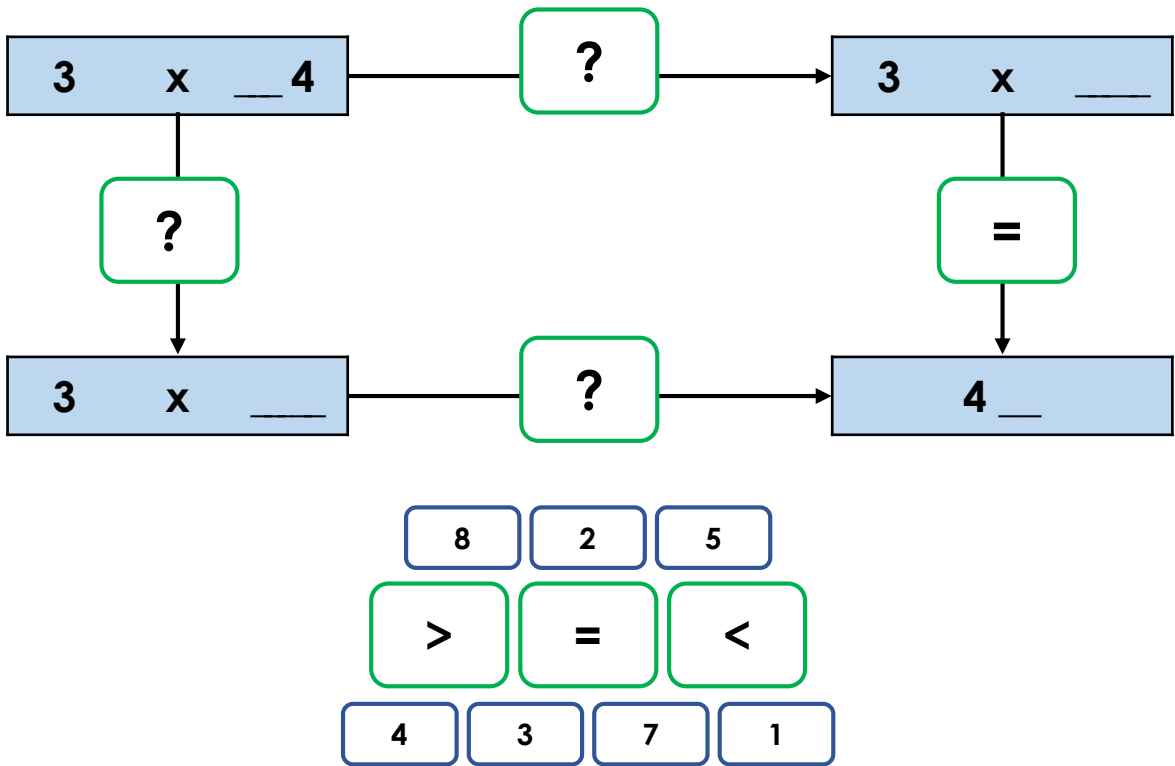
We recommend self or peer marking using the answer page provided to promote discussion and self-correction.

More [Year 3 Multiplication and Division](#) resources.

Did you like this resource? Don't forget to [review](#) it on our website.

Multiply by 3

1. Investigate different ways to complete the statements in the chain using the given numbers and symbols below.



DP

2. Kerenza and AJ are throwing darts on the dart board below to generate numbers to multiply by 3. Explore the possible multiplications they could have calculated.



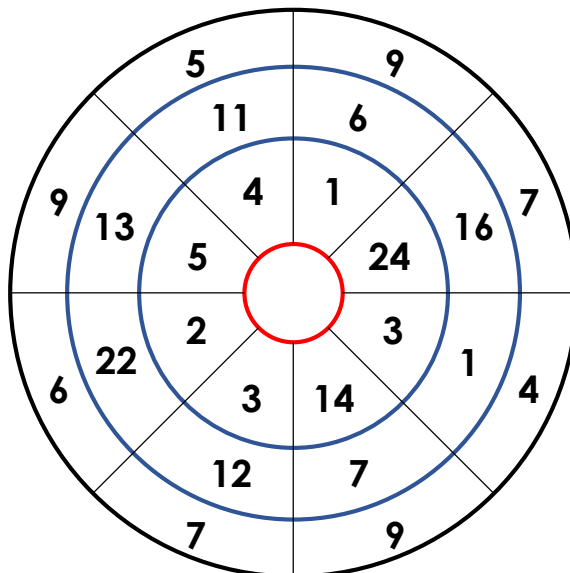
Kerenza

The sum of the digits in my answer is an even number.

The sum of the digits in my answer is an odd number. It is equal to the sum of the digits in the answer to 3×6 .



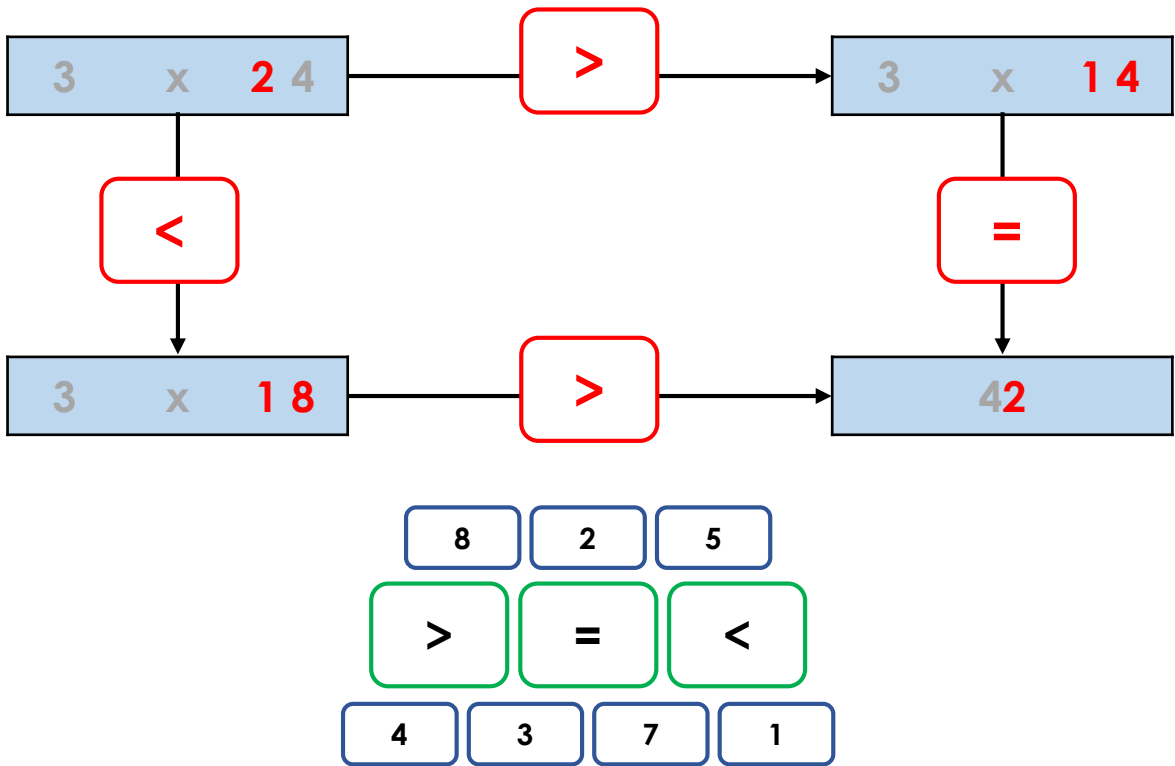
AJ



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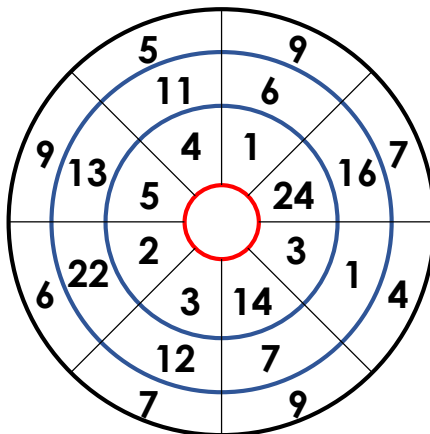


AJ

Various answers, for example:

Kerenza's calculations could be: 3×2 , 3×5 , 3×11 or 3×14 .

AJ's calculations could be 3×3 , 3×6 , 3×9 , 3×12 or 3×24 .



DP