Discussion Problems
Step 4: Tens and Ones 2

National Curriculum Objectives:

Mathematics Year 2: (2N2a) Read and write numbers to at least 100 in numerals and in words
Mathematics Year 2: (2N3) Recognise the place value of each digit in a two-digit number (tens, ones)
Mathematics Year 2: (2N4) Identify, represent and estimate numbers using different representations, including the number line
Mathematics Year 2: (2N6) Use place value and number facts to solve problems

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.

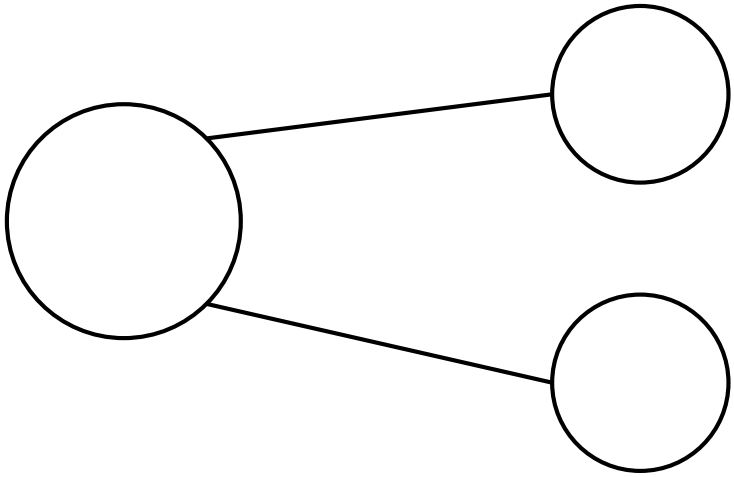
We recommend self or peer marking using the answer page provided to promote discussion and self-correction.

More Year 2 Place Value resources.

Did you like this resource? Don't forget to review it on our website.

Tens and Ones 2

1. Using the digit cards below, complete the part whole model in as many ways as possible. Write all the calculations for each of the combinations you choose.



one	thirty	9	2	40	
50	3	80	sixty	6	eight

DP

2. Ted has represented a number using a bar model. When completed, the whole is any number up to 99. Explore what the value of A could be to find a possible whole. For example:

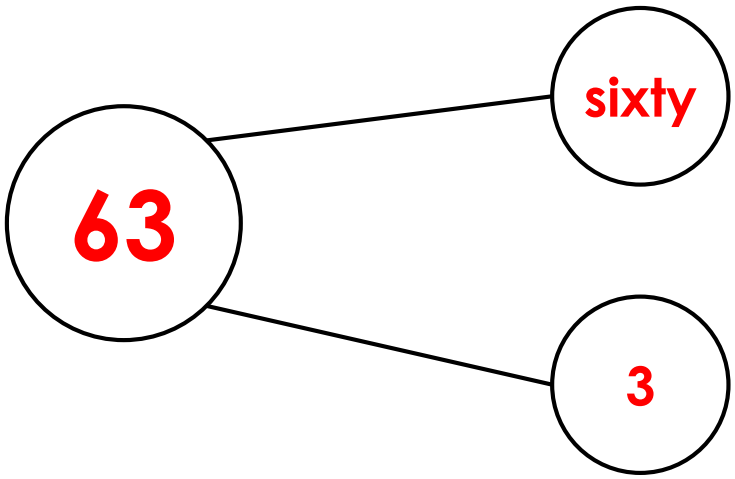
64	
3 tens and 4 ones	three tens

?	
A	four tens

DP

Tens and Ones 2

1. Using the digit cards below, complete the part whole model in as many ways as possible. Write all the calculations for each of the combinations you choose.



one	thirty	9	2	40	
50	3	80	sixty	6	eight

Various answers, for example: sixty + 3 = 63

DP

2. Ted has represented a number using a bar model. When completed, the whole is any number up to 99. Explore what the value of A could be to find a possible whole. For example:

64	
3 tens and 4 ones	three tens

87	
4 tens and 7 ones	four tens

Various answers, for example: see above

DP