

Sample Task: More Than, Less Than

Teacher Guide

[Click here to download the Deconstructing Word Questions – Build-Up file](#) for the **Build Tasks** (interactive whole-class teaching questions).

Task Order:

Build 1: Questions represented with bar models.



Task A: Pair task, completing bar models.



Build 2: Compare 1-step and 2-step questions.



Task B Version 1 or **Task B Version 2:** Questions.



Extend: Create 1-step and 2-step questions.

More Than, Less Than Build 1

Tom has £32.
Tom has £12 more than Lee.

How much money do Tom and Lee have in total?

Which Answer?

Tom ← £12

Lee

£20 £52

More Than, Less Than Build 2

This is a 1-step question:
There are 45 children in Y3.
There are 38 children in Y4.
How many children in lower KS2?

Step 1: add children in Y3 + Y4
 $45 + 38 = 83$ children

This is a 2-step question:
There are 42 children in Y5.
There are 3 more children in Y5 than Y6.
How many children in upper KS2?

Step 1: calculate children in Y6
 $42 - 3 = 39$ children in Y6

Step 2: add children in Y5 + Y6
 $42 + 39 = 81$ children

Answers and Discussion Points:

Task A: Q1: 29 Q2: 20 Q3: 50

Discussion point: For the last question, explain the mistakes for the incorrect answers. The word 'more' is used but a subtraction is needed to know how much money Kate has (Zara has £10 more than Kate). Then, step 2 is adding the money Zara and Kate have.

Task B Version 1: Q1: 17 books Q2: £77 Q3: 22 grapes

Discussion point: Note that in Q3 the word 'more' is used yet a subtraction is needed to calculate the number of grapes that Mo has. If the names in the second line were switched (Mo has 2 more grapes than Kam), then it would have been an addition.

Task B Version 2: Q1: 24 books Q2: £112 Q3: £155

Discussion point: Note that in Q3 the word 'more' is used yet a subtraction is needed to calculate the number of grapes that Max has. If the names in the second line were switched (Max has £27 more than Paul), then it would have been an addition.












Extend: Task A example question: Then, he used 150g of cheese to cook a meal. How much cheese does he have left?

Task B example question: Lucy has £5 less than Amy. How much money do Amy and Lucy have altogether?

Discussion point: Compare the different questions that have been created and look for different ways to write a 2-step question.












More Than, Less Than

Task A

Question:	Bar model:	Which Answer?
<p>Kim has 17 sweets. Eve has 5 fewer sweets than Kim.</p> <p>How many sweets do Kim and Eve have in total?</p>	<p>Kim </p> <p>Eve </p>	<p></p> <p></p>
<p>Ben has 14 shells. Ben has 6 shells fewer than Tim.</p> <p>How many shells does Tim have?</p>	<p>Ben </p> <p>Tim</p>	<p></p> <p></p>
<p>Zara has £30. Zara has £10 more than Kate.</p> <p>How much money do Zara and Kate have altogether?</p>	<p>Zara </p> <p>Kate</p>	<p></p> <p></p> <p></p>

More Than, Less Than

Task A

Question:	Bar model:	Which Answer?
<p>Kim has 17 sweets. Eve has 5 fewer sweets than Kim.</p> <p>How many sweets do Kim and Eve have in total?</p>	<p>Kim </p> <p>Eve </p>	<p></p> <p></p>
<p>Ben has 14 shells. Ben has 6 shells fewer than Tim.</p> <p>How many shells does Tim have?</p>	<p>Ben </p> <p>Tim</p>	<p></p> <p></p>
<p>Zara has £30. Zara has £10 more than Kate.</p> <p>How much money do Zara and Kate have altogether?</p>	<p>Zara </p> <p>Kate</p>	<p></p> <p></p> <p></p>

More Than, Less Than

Task B Version 1

Question:	Finish the bar models and answer:		
<p>Jen has 13 books. Jen has 4 books fewer than Amy. How many books does Amy have?</p>	<p>Jen <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="text-align: center;">13</td></tr></table></p> <p>Amy</p>	13	
13			
<p>Harry has £45. Zack has £13 less than Harry. How much money do Harry and Zack have altogether?</p>	<p>Harry <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="text-align: center;">£45</td></tr></table></p> <p>Zack <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="width: 100px; height: 20px;"></td></tr></table> \longleftrightarrow</p>	£45	
£45			
<p>Kam has 12 grapes. Kam has 2 more grapes than Mo. How many grapes do Kam and Mo have altogether?</p>	<p>Kam <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="text-align: center;">12</td></tr></table></p> <p>Mo</p>	12	
12			

More Than, Less Than

Task B Version 1

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<p>Jen has 13 books. Jen has 4 books fewer than Amy. How many books does Amy have?</p>	<p>Jen <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="text-align: center;">13</td></tr></table></p> <p>Amy</p>	13	
13			
<p>Harry has £45. Zack has £13 less than Harry. How much money do Harry and Zack have altogether?</p>	<p>Harry <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="text-align: center;">£45</td></tr></table></p> <p>Zack <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="width: 100px; height: 20px;"></td></tr></table> \longleftrightarrow</p>	£45	
£45			
<p>Kam has 12 grapes. Kam has 2 more grapes than Mo. How many grapes do Kam and Mo have altogether?</p>	<p>Kam <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="text-align: center;">12</td></tr></table></p> <p>Mo</p>	12	
12			

More Than, Less Than

Task B Version 2

Question:	Bar models and answers:	
Joy has 17 books. Joy has 7 books fewer than Kim. How many books does Kim have?	Joy <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="text-align: center;">17</td></tr></table> Kim	17
17		
Henry has £64. Dan has £16 less than Henry. How much money do Henry and Dan have altogether?	Henry <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="text-align: center;">£64</td></tr></table> Dan	£64
£64		
Paul has £91. Paul has £27 more than Max. How much money do Paul and Max have altogether?		

More Than, Less Than

Task B Version 2

Question:	Bar models and answers:	
Joy has 17 books. Joy has 7 books fewer than Kim. How many books does Kim have?	Joy <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="text-align: center;">17</td></tr></table> Kim	17
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Henry has £64. Dan has £16 less than Henry. How much money do Henry and Dan have altogether?	Henry <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="text-align: center;">£64</td></tr></table> Dan	£64
£64		
Paul has £91. Paul has £27 more than Max. How much money do Paul and Max have altogether?		

More Than, Less Than

Extend

Task A: Write a 1-step question with an answer of 250g. The question starts like this:

Joe has 400g of cheese.

Task B: Write a 2-step question with an answer of £55. The question starts like this:

Amy has £30.

More Than, Less Than

Extend

Task A: Write a 1-step question with an answer of 250g. The question starts like this:

Joe has 400g of cheese.

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More Than, Less Than

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