

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 modelled with different visuals.



Task A: Pair task, answer and explain mistakes.



Build 2: Questions modelled with different visuals.



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



Extend: Identify missing information in a question.

More Than, Less Than Build 1

Jack has 7 conkers.
Jack has 3 more conkers than Kam.
How many conkers does Kam have?

Represented with dots:

Jack ●●●●●●●

Kam ●●●●

← 3

Represented with a bar model:

Jack	7	← 3
Kam	4	

Answer: 4 conkers

More Than, Less Than Build 2

Ben has 7 stickers.
Ben has 3 fewer stickers than Tim.
How many stickers do Ben and Tim have altogether?

Which bar model?

Ben

Tim

← 3

Ben

Tim

← 3

Answers and Discussion Points:

Task A: Q1: 5 Q2: 2 Q3: 10

Discussion point: Children explain why Q1 includes the word 'more' yet the answer is less than 7. Also, children explain why the answers to Q2 and Q3 are different even though all the numbers are the same.

Task B Version 1: Q1: 7 pens Q2: 5 sweets Q3: 11 pencils

Discussion point: Q1 is one step, as we calculate the number of pens Kam has. Q2 and Q3 have 2 steps, with the second step being 'how many altogether'.

Task B Version 2: Q1: 14 marbles Q2: 17 paperclips Q3: £26

Discussion point: Q1 is one step, as we calculate the number of marbles Kam has. Q2 and Q3 have 2 steps, with the second step being 'how many altogether'.

Extend: Q1: £7 more than Rose Q2: £5

Discussion point: The second question has two steps as it asks how much money altogether (work out how much they each have first, then how much altogether).

More Than, Less Than

Task A

Question:	Part-finished picture:	Which answer?
<p>Ben has 7 pencils. Ben has 2 more pencils than Tim. How many pencils does Tim have?</p>	<p>Ben </p> <p>Tim </p>	<p>5</p> <p>9</p>
<p>Kate has 6 hats. Zara has 4 fewer hats than Kate. How many hats does Zara have?</p>	<p>Kate </p> <p>Zara </p>	<p>2</p> <p>10</p>
<p>Zack has 6 t-shirts. Zack has 4 fewer t-shirts than Max. How many t-shirts does Max have?</p>	<p>Zack </p> <p>Max </p>	<p>2</p> <p>10</p>

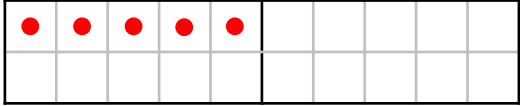

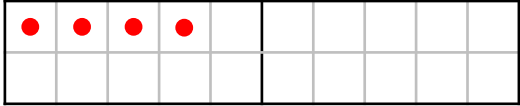

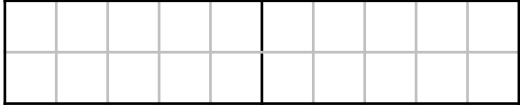
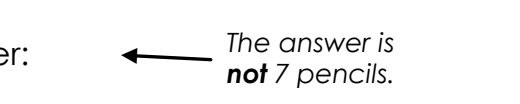

More Than, Less Than

Task A

Question:	Part-finished picture:	Which answer?
<p>Ben has 7 pencils. Ben has 2 more pencils than Tim. How many pencils does Tim have?</p>	<p>Ben </p> <p>Tim </p>	<p>5</p> <p>9</p>
<p>Kate has 6 hats. Zara has 4 fewer hats than Kate. How many hats does Zara have?</p>	<p>Kate </p> <p>Zara </p>	<p>2</p> <p>10</p>
<p>Zack has 6 t-shirts. Zack has 4 fewer t-shirts than Max. How many t-shirts does Max have?</p>	<p>Zack </p> <p>Max </p>	<p>2</p> <p>10</p>

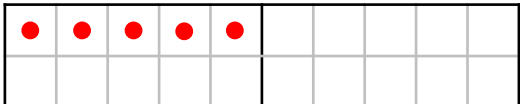
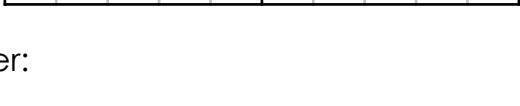
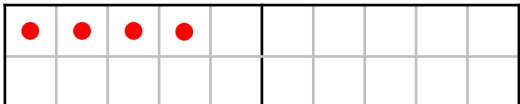

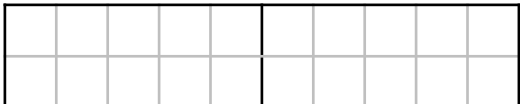
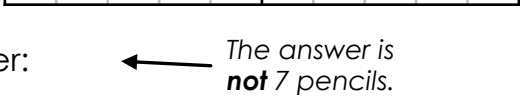

More Than, Less Than

Task B Version 1

Question:	Answer:
<p>Jack has 5 pens. Jack has 2 fewer pens than Kam. How many pens does Kam have?</p>	<p>Jack </p> <p>Kam </p> <p>Answer:</p>
<p>Jen has 4 sweets. Amy has 3 fewer sweets than Jen. How many sweets do Jen and Amy have altogether?</p>	<p>Jen </p> <p>Amy </p> <p>Answer:</p>
<p>Eve has 4 pencils. Kim has 3 more pencils than Eve. How many pencils do Eve and Kim have altogether?</p>	<p>Eve </p> <p>Kim </p> <p>Answer:  <i>The answer is not 7 pencils.</i></p>

More Than, Less Than

Task B Version 1

Question:	Answer:
<p>Jack has 5 pens. Jack has 2 fewer pens than Kam. How many pens does Kam have?</p>	<p>Jack </p> <p>Kam </p> <p>Answer:</p>
<p>Jen has 4 sweets. Amy has 3 fewer sweets than Jen. How many sweets do Jen and Amy have altogether?</p>	<p>Jen </p> <p>Amy </p> <p>Answer:</p>
<p>Eve has 4 pencils. Kim has 3 more pencils than Eve. How many pencils do Eve and Kim have altogether?</p>	<p>Eve </p> <p>Kim </p> <p>Answer:  <i>The answer is not 7 pencils.</i></p>

More Than, Less Than

Task B Version 2

Question:	Answer:
<p>Jack has 10 marbles. Jack has 4 fewer marbles than Kam.</p> <p>How many marbles does Kam have?</p>	<p>Jack <input type="text" value="10"/></p> <p>Kam</p> <p><i>The answer is not 6 marbles.</i></p>
<p>Jen has 10 paperclips. Amy has 3 fewer paperclips than Jen.</p> <p>How many paperclips do Jen and Amy have in total?</p>	<p>Jen <input type="text"/></p> <p>Amy <input type="text"/></p>
<p>Eve has £11. Kim has £4 more than Eve.</p> <p>How much money do Eve and Kim have altogether?</p>	<p><input type="text"/></p> <p><input type="text"/></p> <p><i>The answer is not £15.</i></p>



More Than, Less Than

Task B Version 2

Question:	Answer:
<p>Jack has 10 marbles. Jack has 4 fewer marbles than Kam.</p> <p>How many marbles does Kam have?</p>	<p>Jack <input type="text" value="10"/></p> <p>Kam</p> <p><i>The answer is not 6 marbles.</i></p>
<p>Jen has 10 paperclips. Amy has 3 fewer paperclips than Jen.</p> <p>How many paperclips do Jen and Amy have in total?</p>	<p>Jen <input type="text"/></p> <p>Amy <input type="text"/></p>
<p>Eve has £11. Kim has £4 more than Eve.</p> <p>How much money do Eve and Kim have altogether?</p>	<p><input type="text"/></p> <p><input type="text"/></p> <p><i>The answer is not £15.</i></p>



More Than, Less Than

Extend

Question:	Missing information:
Beth has £25. Beth has <input type="text"/>  How much money does Rose have?	Answer: £18
Kam has <input type="text"/>  Tom has £1 more than Kam. How much money do Tom and Kam have altogether?	Answer: £11



More Than, Less Than

Extend

Question:	Missing information:
Beth has £25. Beth has <input type="text"/>  How much money does Rose have?	Answer: £18
Kam has <input type="text"/>  Tom has £1 more than Kam. How much money do Tom and Kam have altogether?	Answer: £11

More Than, Less Than

Extend

Question:	Missing information:
Beth has £25. Beth has <input type="text"/>  How much money does Rose have?	Answer: £18
Kam has <input type="text"/>  Tom has £1 more than Kam. How much money do Tom and Kam have altogether?	Answer: £11