How far have they climbed altogether?
How much higher is $C$ than $B$ ? How far has C climbed?
Can you use a bar model to help?
What can you do to find the answer?
What are the key words? How far has A climbed? What do you need to do to find the answer?
Can you draw a bar model to help you work
Can you spot the useful information?
investigate the challenges on this page.
The use of bar models are recommended as a strategy to practical apparatus to support their learning. they consider which operation to use. Children use images and length and height. They spot the key words to guide them as they multiplication and division to investigate challenges relating to Children apply their knowledge of addition, subtraction,
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Can you write your own

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| :---: | How do you know? Convince me. Which number is closest to 50 cm ? Which key words can help? How can we work out how far the purple marble rolled? words can help? How can you work out how far the red marble went? Which key How far did the orange marble roll? What is ten less/more than 70? between them? How far would each girl have run if there were a 10 metre difference ¿0L uецł әлоس/ssə əм!! s! ఛеЧМ What is two less/more than 70 ? What number patterns/facts do we know that will help us? What information is important?

marbles by stopping closest to the marker. and subtraction strategies to discover who has won the game of knowledge of multiplication to calculate the distance achieved
by the runners. They will also choose their preferred addition For the investigations on this page, children will draw from their they consider which operations to use. Children use images and
practical apparatus to support their learning. length and height. They spot the key words to guide them as they
they consider which operations to use. Children use images and multiplication and division to investigate challenges relating to Children apply their knowledge of addition, subtraction,

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 su!бuәך पң!м suo!̣еләd0 Jno』 (3)Can you prove it?
Which marble rolled the closest to $50 \mathrm{~cm} ?$
How many centimetres did each marble roll?
I rolled my orange marble 65 centimetres.
My red marble rolled 4 cm less than
12 cm more than the orange.
What about if they were all 5 metres apart?
all 2 metres apart?
all 2 metres apart?
How far would each girl have run if they were

Four Operations with Lengths
Can you use this to find more possibilities? What pattern can you see? What if you had 12 m ? How could you work this out?
 What can you do to find the answer? What would this look like as a number sentence? How can you find three lots of ten? What is the height of Mia's jump? Have you found the key words?

> What height is 20 cm twice as high as? Can you spot the useful information?
What is the height of Kris's jump? Can you spot the useful information? multiplication and division. questions about height and length by applying their knowledge of For the investigations on this page, children will answer practical apparatus to support their learning. they consider which operations to use. Children use images and length and height. They spot the key words to guide them as they multiplication and division to investigate challenges relating to Children apply their knowledge of addition, subtraction,

## Adult Guidance with Question Prompts





