

| twinks | | Which number is closest to 50cm? How do you know? Convince me. | words can help? How can we work out how far the purple marble rolled? Which key words can help? | between them? What is ten less/more than 70? How far did the orange marble roll? How can you work out how far the red marble went? Which key | What is two less/more than 70? What is five less/more than 70? How far would each girl have run if there were a 10 metre difference | What information is important? What number natterns/facts do we know that will help us? | For the investigations on this page, children will draw from their knowledge of multiplication to calculate the distance achieved by the runners. They will also choose their preferred addition and subtraction strategies to discover who has won the game of marbles by stopping closest to the marker. | Children apply their knowledge of addition, subtraction, multiplication and division to investigate challenges relating to length and height. They spot the key words to guide them as they they consider which operations to use. Children use images and practical apparatus to support their learning. | Four Operations with Lengths Adult Guidance with Question Prompts |
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| Can you prove it? | Which marble rolled the closest to 50cm? | How many centimetres did each marble roll? | My purple marble rolled 12cm more than the orange. | My red marble rolled 4cm less than the orange. | I rolled my orange marble 65 centimetres. | What about if they were all 5 metres apart? | How far would each girl have run if they were all 2 metres apart? | in in in in in in | Four Operations with Lengths |

| twink! | What pattern can you see? Can you use this to find more possibilities? | How could you work this out? What if you had 12m? | What would this look like as a number sentence? What can you do to find the answer? How many skipping ropes could be made from 10m of rope? | Have you found the key words? What is the height of Mia's jump? How can you find three lots of ten? | What height is 20cm twice as high as? What can you do to find the answer? | multiplication and division. Can you spot the useful information? What is the height of Kris's jump? | For the investigations on this page, children will answer | Children apply their knowledge of addition, subtraction, multiplication and division to investigate challenges relating to length and height. They spot the key words to guide them as they they consider which operations to use. Children use images and practical apparatus to support their learning | Four Operations with Lengths Adult Guidance with Question Prompts |
|--------|---|--|---|---|--|--|---|--|--|
| | what about 12 metres? | How many skipping | My skipping rope is 2m long. How many metres of rope would make 10 skipping ropes? | high did Beth jump? | Beth jumped 3 times higher than Mia. How | Kris jumped twice as high as Mia. How high did Mia jump? | Mia Kris Beth | ?cm 20cm ?cm | Four Operations with Lengths |