

MATHS 'N' MOVEMENT



Rachel McCann

Free Activity

PENCILS

LENGTH

In this Maths 'N' Movement activity students will estimate, order and measure the length of pencils.

ACTIVITY

1. In teams of 4, students stand with their Length Recording Sheet at least 5 metres from their ruler.
2. When shown 8 colored pencils teams work together to order the pencils and estimate, on their Pencil Length Recording Sheet, the length of each pencil.
3. The first student in each team races, using the given movement, to their team's ruler to measure and record the length of one of the pencils.
4. When the first student returns, remaining students take turns to race and measure the rest of the pencils.
5. When all 8 pencils have been measured and recorded students find the difference between their estimated and actual pencil lengths and whether their ordering was correct.



Equipment Required:

- A Pencil Length Recording Sheet and pencil per team.
- A ruler per team.
- 8 colored pencils.



Notes:

For younger or less able students you may wish to only order the length of the pencils. Otherwise you could order and measure the pencils without finding the difference between the student's estimations and the pencil's actual lengths.



Additional Maths Outcomes Covered:

- MP2 - Reasons abstractly and quantitatively.
- MP3 - Constructs viable arguments and critiques the reasoning of others.
- MP4 - Models with mathematics.
- MP5 - Uses appropriate tools strategically.
- MP6 - Attends to precision.
- MP8 - Looks for and expresses regularity in repeated reasoning.



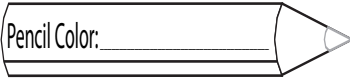
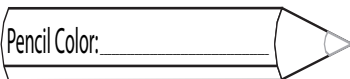
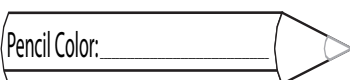
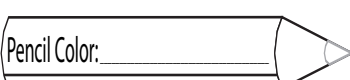
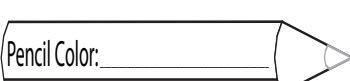
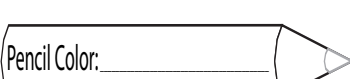
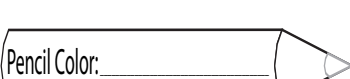
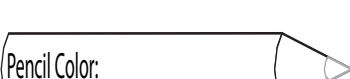
PD/H/PE Outcomes Covered:

- Team work and cooperation.
- Moving/FMS - Sprint run, side gallop, hop, skip or leap could be used for this activity.
- Develops positive relationships with peers and team mates.
- Participates in physical activity recognising that it can be both enjoyable and important for health.
- Identifies that positive social interactions make physical activity more fun.

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Students: _____, _____, _____ and _____,

Pencil Color from Shortest to Longest	Estimated Length	Actual Length	Difference Between Estimated & Actual Lengths
Pencil Color: 			
Pencil Color: 			
Pencil Color: 			
Pencil Color: 			
Pencil Color: 			
Pencil Color: 			
Pencil Color: 			
Pencil Color: 			

Did you get the order of the pencils correct? Yes / No

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If you enjoyed this FREE
Maths 'N' Movement activity
please let me know what you thought
by emailing me at
rachel@mathsnmovement.com.au

If you have specific outcomes you
would like to see activities for
please contact me so I can create an
activity just for you.