**The Mean Caps Task**

[adapted from Cai’s (1998) “Exploring Students’ Conceptual Understanding of the Averaging Algorithm”]

Angela is selling caps for the Mathematics Club at her school. This picture shows the number of caps Angela sold during the first three weeks.

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| --- | --- |
| **Week 1** | C:\Users\gclement\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\4KIDQAML\PngThumb-Baseball-cap-15161[1].gifC:\Users\gclement\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\4KIDQAML\PngThumb-Baseball-cap-15161[1].gifC:\Users\gclement\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\4KIDQAML\PngThumb-Baseball-cap-15161[1].gifC:\Users\gclement\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\4KIDQAML\PngThumb-Baseball-cap-15161[1].gifC:\Users\gclement\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\4KIDQAML\PngThumb-Baseball-cap-15161[1].gifC:\Users\gclement\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\4KIDQAML\PngThumb-Baseball-cap-15161[1].gifC:\Users\gclement\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\4KIDQAML\PngThumb-Baseball-cap-15161[1].gifC:\Users\gclement\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\4KIDQAML\PngThumb-Baseball-cap-15161[1].gifC:\Users\gclement\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\4KIDQAML\PngThumb-Baseball-cap-15161[1].gif |
| **Week 2** | C:\Users\gclement\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\4KIDQAML\PngThumb-Baseball-cap-15161[1].gifC:\Users\gclement\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\4KIDQAML\PngThumb-Baseball-cap-15161[1].gifC:\Users\gclement\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\4KIDQAML\PngThumb-Baseball-cap-15161[1].gif |
| **Week 3** | C:\Users\gclement\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\4KIDQAML\PngThumb-Baseball-cap-15161[1].gifC:\Users\gclement\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\4KIDQAML\PngThumb-Baseball-cap-15161[1].gifC:\Users\gclement\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\4KIDQAML\PngThumb-Baseball-cap-15161[1].gifC:\Users\gclement\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\4KIDQAML\PngThumb-Baseball-cap-15161[1].gifC:\Users\gclement\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\4KIDQAML\PngThumb-Baseball-cap-15161[1].gifC:\Users\gclement\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\4KIDQAML\PngThumb-Baseball-cap-15161[1].gif |
| **Week 4** | ? |

How many caps must Angela sell in Week 4 so that the mean or average number of hats sold is 7?

Show how you found your answer.