**Homework**

**Task 1**

Read the text by Marxer et al. (2011) carefully.You can find it here:

Marxer, M., Prediger, S., & Schnell, S. (o. J.). *Wie verteilen wir die Müllgebühren? – Bildungswirksame Erfahrungen beim Entwickeln und Diskutieren normativer Modellierungen*. Tu-dortmund.de. Retrived at 13. März 2023, from <http://www.mathematik.tu-dortmund.de/~prediger/veroeff/10-Marxer_Prediger_Schnell_PM-H36-Webversion.pdf>

1. Briefly summarise in your own words (4-5 sentences) what distinguishes normative and descriptive modelling.
2. Briefly summarise in your own words (4-5 sentences) why normative modelling should (or should not) play a role in mathematics education.
3. Discuss in at least 4-5 sentences whether normative modelling is also relevant in mathematics education in primary school. What is the argument in favour? What are the arguments against?

**Task 2**

Independently develop a task for normative modelling that you could use in your future lessons and justify the didactic potential of your task. For example, consider possible solutions of the students and the resulting discussion. The length should be about 1-2 pages.