

Questions, Questions

Activity

If a teacher is typically asked two questions every minute, how many questions do they respond to on average in a single school day?

This activity gets students to explore how different amounts of time are connected and possible ratio relationships.

To support

- ① Use guiding questions:
- If a teacher answers 2 questions per minute, how many questions will they answer in 2 minutes?
 - If you know how many questions are answered in 2 minutes, how many are answered in 10 minutes?
 - How many minutes are in an hour?
 - How long are you at school for?



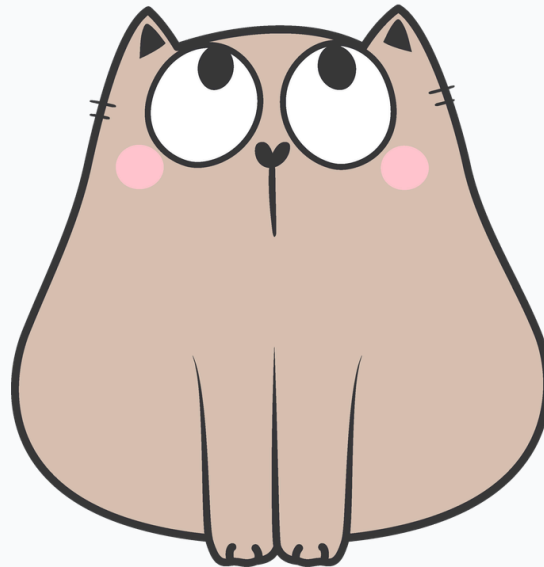
To challenge:

Students could...

- ① Explore how many questions a teacher might answer on average in a week, a month, a school year, etc.
- ① Explore how many questions they think their actual teacher answers on average in a day. How could students actually make a reasonable estimation or inquiry?
- ① Explore what the term 'average' really means in math and how it can connect to a data set.

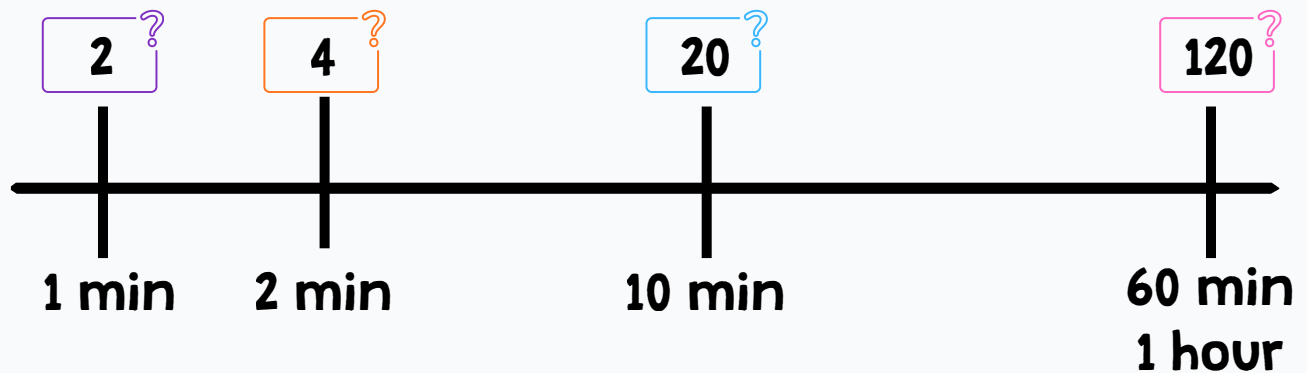
Questions, Questions

**Did you know that on average,
teachers answer 2 questions per minute?
How many questions do they
answer in a school day?**



Possible Solution

There are lots of ways to explore this problem. I used a ratio table to help me get started!



About 7 hours at school

$$120 \times 7 \rightarrow 100 \times 7 = 700$$

$$20 \times 7 = 140$$

$$700 + 140 = 840 \text{ questions per day....}$$

