

Name _____

Date _____

Multistep Ratio and Percent Word Problems - Guided Lesson Explanation**Explanation#1**

We will first find the unit rate:

His weight increases in 4 months by = 2 kg

His weight increases in 1 month by = $\frac{2}{4}$

His weight increases in 16 months by = $\frac{2}{4} \times 16$
= 8 kg

He would gain 8 kg after 16 months.

Explanation#2

Every 2 minutes, the temperature increases by = 25 degrees

Every 1 minute, the temperature increases by = $\frac{25}{2}$ degrees

Every 5 minutes, the temperature increases by = $\frac{25}{2} \times 5$ degrees

The temperature after 5 minutes will be 62.5 degrees

Explanation#3

The initial number of flowers is 10. An increase of 100% means that the number will double. Another 10% will need to be added to figure out the expected number of flowers in spring.

$$10 + 10 + (0.10 \times 10) = 20 + (0.10 \times 10) = 21$$

100%	100%	10%
10	10	1

So the expected number of flowers in spring is 21.

