

Name: \_\_\_\_\_

# Wet Weather



When clouds get heavy enough, water starts to fall from the sky in droplets. This is called \_\_\_\_\_.

In Louisville, it rained for three days straight. Scientists measure that it rained 17 millimeters per day. How many millimeters did it rain total?

The same week, in Cincinnati, it rained three times as much as it rained in Louisville. How many millimeters of rain fell in Cincinnati?

Over the course of a month (31 days), in Indianapolis, it rained 93 millimeters total. On average, how many millimeters of rain fell each day? (hint: to find the average, divide the total rain by the total number of days)

After it rains, the water level in a river will \_\_\_\_\_ (rise/fall).

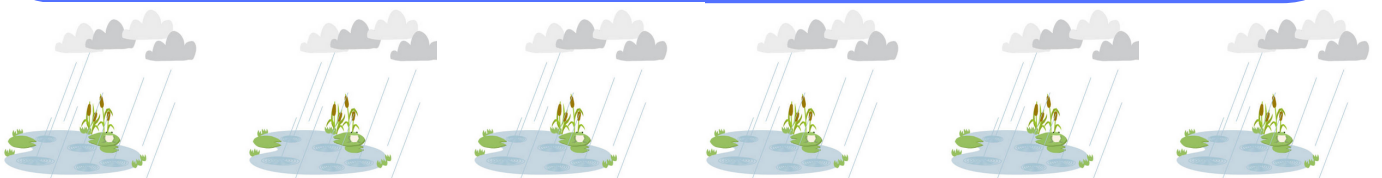
On Monday, a ranger measured section of Floyd's Fork River and found it was 228 millimeters deep. On Tuesday, it rained all day. Then, on Wednesday, the ranger measured the river again, and found that the water's depth had tripled! How many millimeters deep was the river on Wednesday?

In the summer, a ranger measured a deeper section of river and found it was 400 millimeters deep. A week passed with no rain at all, so the river dried up a little bit. When the ranger measured the second time, they found the river was only  $\frac{3}{4}$  as deep as it was the week before.

a) How many millimeters deep was the water then?

b) How many meters deep was the water?

(Hint: 1 meter = 1,000 millimeters)



**Monday**



**Tuesday**



**Wednesday**



**Thursday**



**Friday**



One week, it rains for four days! Scientists measure that it rained 80 millimeters total over the four days. They also determine that  $\frac{1}{8}$  of the rain fell on Monday,  $\frac{1}{4}$  of the rain fell on Tuesday,  $\frac{1}{2}$  of the rain fell on Wednesday, and  $\frac{1}{8}$  of the rain fell on Thursday.

Solve: Figure out how many millimeters of rain fell on each day. Write your answers below!

**Monday**

**Tuesday**

**Wednesday**

**Thursday**