



just in case arizona

Word Problems

Word problems can help teach math and reading comprehension. In the case of these word problems, students might also learn the value of being prepared. Use addition, subtraction, multiplication and division to answer these word problems. Remember to show your work.

1. The family dog, Scrappy, eats $\frac{3}{4}$ cup of dry dog food mixed with $\frac{1}{2}$ cup of wet dog food twice a day. If you need to pack an emergency kit for three days, how much dry dog food must you pack? How much wet dog food must you pack?
2. An emergency kit should include a gallon of **potable** water, per person, per day for purposes of drinking and personal care. How much water is needed to last four people for three days? If water is available in only half-gallon containers, how many containers must you purchase?
3. Flood stage for the Wet River is 24 feet. Thunderstorms yesterday have increased the river level from 16 to 19 feet. Heavy rains today have raised the river level another two feet in four hours. How long will it take for the Wet River to **crest** at this rate?
4. Strong winds have spread a wildfire and caused partial evacuation orders for the towns of Petersburg (population 3,131), Mountville (population 4,250) and Millersville (population 6,119). If 30 percent of the total population of Petersburg, Mountville and Millersville are told to leave, how many people will be evacuated?
5. In the past 12 years, 27 winter storms (3 were blizzards) have hit the mountain town of Meadville. What is the average number of storms per year? What percentage of winter storms were blizzards?

Get emergency preparedness information at justincasearizona.com, and bookmark www.azain.gov for real-time disaster updates.



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Answer Key

- 1. 2¼ cups of dry dog food; 1½ cups of wet dog food**
- 2. 12 gallons of water; 24 half-gallon containers**
- 3. 6 hours**
- 4. 4,050**
- 5. ~1.42; ~11%**