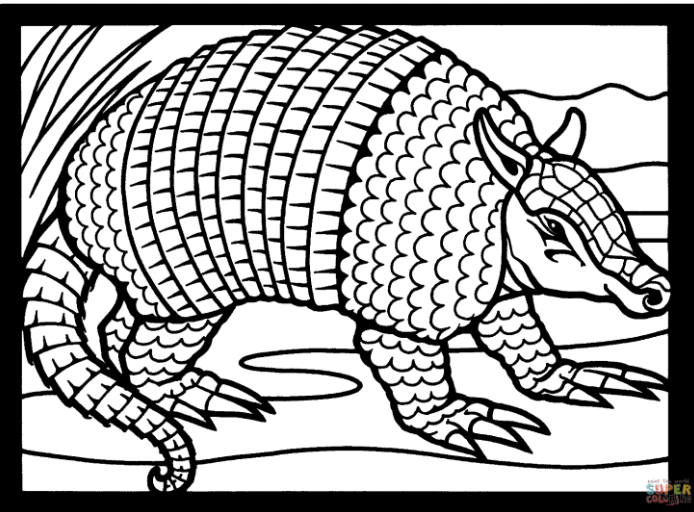


Armadillo Problem Solving

1. They sleep up to 18 hours a day and are nocturnal. Each day (24 hours), what fraction of the day are they awake?

2. Besides being excellent diggers, armadillos are also good swimmers. Armadillos can hold their breath for up to 6 minutes. They can swim up to 30mph. At their fastest speed, how far can they swim before they need to come up for air?



3. Armadillos are one of the few animals who consume fire ants as part of their diet. The typical ant colony can have up to 200,000 ants. If an armadillo eats 7% of the ants in a given colony, how many ants will be eaten?

4. Armadillo comes from the Spanish, meaning "little armored one." The 9-banded armadillo pictured below is the state small mammal of Texas. If the Texas Zoo has 12 armadillo, how many bands are there at the zoo?

5. Armadillos may jump 3 or 4 feet in the air when startled. How many inches can they jump?

6. Smallest "pink fairy" is 5 inches, the largest is up to 5 feet. What is the difference in size between the largest and the smallest armadillo in inches?

Name _____

7. When it comes to reproduction, the 9-Banded Armadillo is rather unique. After mating in July, the fertilized egg remains dormant until November. This is called delayed implantation. Once implanted, the single egg then divides into genetically identical quadruplets which will be born 4 months later. If we start with just 2 armadillos, how many will there be in 5 years if all the kits survive and reproduce? Assume that half of the kits are female and half are male.

8. Burrow entrances will be 8 to 10 inches across and range from 2 to 24 feet long averaging 3 to 4 feet. The burrow entrance is often concealed among clumps of vegetation, fallen logs or under buildings. Each armadillo may have 5 to 10 burrows. How many burrows would 12 armadillos have? How many feet of burrows would that total for all 12 armadillos?