

**Grandpa Pencil's Brainbuster Q and A Sheet # 7**  
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<b>Question</b>	<b>Answer</b>
<b>1.</b> Establish a point that will be your finishing line. How can you advance toward the finishing line so that, even though you are always moving forward, you never reach it ?	At each move you should advance half the distance between yourself and the finishing line.
<b>2.</b> Climbing up an apple tree I found apples. I did not pick apples nor did I leave apples. How can this be ?	There were two apples on the tree. I picked one and left one. I did not pick apples, I picked an apple and left an apple.
<b>3.</b> What is so fragile that when you say its name you break it ?	Silence.
<b>4.</b> A 100 m long train moving at 100m per minute passes through a tunnel 100m long. How long does it take ?	Two minutes.
<b>5.</b> A ship is laying at anchor and in order for the crew to reach the shuttle boats to go ashore they must climb down a 30 step ladder. Each step is 25cm high. The tide rises at a rate of 12.5cm per hour. How many steps will the tide have covered after 5 hours ?	None. As the water rises so does the floating vessel.
<b>6.</b> Give yourself 10 seconds to answer this question. An F1 car takes 2 minutes and 13 seconds to complete 1 lap of a circuit. How long will it take to complete 60 laps ?	Two hours and 13 minutes. Multiplied by 60 the minutes become hours and the seconds become minutes.
<b>7.</b> Two trains are traveling toward each other at 70 and 50 kph. When the trains are 60km from each other a bird, flying at 80kph, leaves the first train and flies to the second. It keeps flying back and forth until the trains cross. How many kilometres did the bird fly.	The combined speed of the trains was 120kph allowing them to cover the 60km in half an hour. The bird, therefore, traveled 40km.
<b>8.</b> A helium balloon is tied to the rear seat of a car so that it is not touching the roof and the windows are closed. (a) When the car accelerates where will the balloon go ? (b) When the car turns where will the balloon go ?	When the car accelerates the inertia pushes the air in the car back compressing the air at the rear of the car and pushing the balloon forward. Likewise, when the car turns the balloon will move toward the inside of the turn.
<b>9.</b> A super accurate bomb that always hits its target and destroys it hits an indestructible fort. What will happen ?	If one of these things exist then the other can not. The concept is impossible.
<b>10.</b> What can a wombat make that no other animal can make ?	Baby wombats.