

**Grandpa Pencil's Brainbuster Question 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 ?	
<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 ?	
<b>3.</b> What is so fragile that when you say its name you break it ?	
<b>4.</b> A 100 m long train moving at 100m per minute passes through a tunnel 100m long. How long does it take ?	
<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 ?	
<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 ?	
<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.	
<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 ?	
<b>9.</b> A super accurate bomb that always hits its target and destroys it hits an indestructible fort. What will happen ?	
<b>10.</b> What can a wombat make that no other animal can make ?	