

## Grandpa Pencil's Brainbuster Q & A Sheet # 2

[www.grandpencil.com](http://www.grandpencil.com)

Question	Answer
1. Using all of ten marbles how would you distribute them into three cups so that each cup has an odd number of marbles in it?	Place five marbles in 1 cup, four in another and one in the last. Place the cup with one marble in the cup with four.
2. If $1\frac{1}{2}$ men can eat $1\frac{1}{2}$ pies in $1\frac{1}{2}$ minutes how many pies can 3 men eat in half an hour ?	They eat 60 pies.
3. How can half of twelve be 7 ?	By using Roman Numerals where the upper half of XII (12) is VII (7)
4. Which two digit numbers are equal to their right hand digit squared ?	<b>25</b> (5 squared is 25) and <b>36</b> (6 squared is 36)
5. All my cars are red, except 2. All my cars are blue except 2 and all my cars are green except 2. How many Ferraris do I have ?	I have 3 cars. 1 red, 1 blue and 1 green.
6. If $1\frac{1}{2}$ dozen large prawns cost \$9.50 how much will 18 large prawns cost .	\$9.50. ( $1\frac{1}{2}$ dozen is 18.)
7. I went to visit a friend who is an artist. As I was watching him paint I said to him, "No wonder it takes you so long to finish a painting. Since I arrived you have entered the studio 12 times." How many times did he leave the studio ?	11 times (one less than the number of times he entered.)
8. How long is a rope that is 2 metres shorter than another rope that is three times its length ?	1 metre (1m plus 2m = 3m which is three times 1m.)
9. A woman went to the shop and purchased a kettle for \$10. He gave the shopkeeper a \$50 note. The shopkeeper went to the bank for some change. Later the bank teller informed the shopkeeper that the note was a forgery and the shopkeeper replaced it with a real one. How much did the shopkeeper lose ?	\$50. (The shopkeeper lost the change given to the customer and the \$10 price of the kettle)
10. A schoolteacher uses a five hour hourglass to time the length of the school day. He set the glass at 9am one day and during the course of the morning a student inverted the glass. Another student noticed and returned the glass to its original position at 11.30am. The class ended at 3pm. At what time did the first student invert the hourglass ?	After being inverted twice the extra hour that the hourglass measured represents a half hour for each inversion. As the second student inverted the glass at 11.30 the first student must have inverted it at 11am.