



Name _____ Class _____ Date _____

Over the years Pythagoras has spent some time purchasing rare items in the hope of making some money on them. He wishes to sell some of them to finance his new house. He has a collection of records, coins and stamps and only wants to sell one of his collections.

1. His coin collection was valued at \$650 dollars ten years ago. He has been told it would double its value every five years. How much would it be worth now?
Hint: Round all answers to the nearest dollar.

.....

2. He started collecting long playing records twenty years ago and was told each one would double its value every four years. He bought 8 records twenty years ago at \$6.50 each. He then bought 5 more records twelve years ago at \$10.50 each. Finally he bought 3 records eight years ago at \$26.50 each. If each one has doubled its value every four years what is the total value of the record collection? Show your work here:

.....

PREVIEW

Please [Sign In](#) or [Sign Up](#) to download the printable version of this worksheet

rates or increase over the years. which collection should he sell and why?

.....

Challenge:

What will each collection be worth in forty years time? Did you make the right decision for Pythagoras?



Name _____ Class _____ Date _____

Over the years Pythagoras has spent some time purchasing rare items in the hope of making some money on them. He wishes to sell some of them to finance his new house. He has a collection of records, coins and stamps and only wants to sell one of his collections.

1. His coin collection was valued at \$650 dollars ten years ago. He has been told it would double its value every five years. How much would it be worth now?

Hint: Round all answers to the nearest dollar.

\$2,600

2. He started collecting long playing records twenty years ago and was told each one would double its value every four years. He bought 8 records twenty years ago at \$6.50 each. He then bought 5 more records twelve years ago at \$10.50 each. Finally he bought 3 records eight years ago at \$26.50 each. If each one has doubled its value every four years what is the total value of the record collection? Show your work here:

8 records at \$6.50 = \$52.00. Doubled value five times = \$1,664

PREVIEW

Please [Sign In](#) or [Sign Up](#) to download
the printable version of this worksheet

rates of increase over the years. which collection should he sell and why?

He should sell the coins as the other items are increasing at a faster rate. He could also sell the first set of stamps as they will not make that much, as they are only increasing by 35% where other items are increasing by 50% & 100%.

Challenge:

What will each collection be worth in forty years time? Did you make the right decision for Pythagoras?

Coins - \$665,600; Records - \$2,459,648; Stamps - First set = \$5814, Second set = \$8,416,223; Total value = \$8,422,037.