

Harry Potter

Can you get to Hogwarts?

They have changed the sign for the platform as a muggle had overheard someone talking about



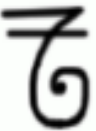
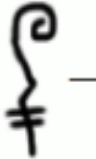

How many different ways can you think of to write this platform number differently?

Be creative, think about words, pictures, symbols, other fractions, decimals, additions, subtractions etc.... That all equal $9 \frac{3}{4}$. Which pair can think of the most?

Imagine you are a Goblin at Gringotts Bank.....



Symbols:

-  — Galleon
-  — Sickle
-  — Knut



Knut

Sickle

Galleon

There 17 Knuts in a Sickle, and 29 Sickles in a Galleon.

Q How many Knuts are there in a Galleon?

Tip: What calculation will we need to do?:

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Imagine you are a Goblin at Gringotts Bank.....



1 Galleon = 29 Sickles

1 Galleon = 493 Knuts

1 Sickle = 17 knuts



Main Task: Who has the most amount of knuts in their vault? How many Vaults can you calculate – show your working out carefully! (choose to start on O.W.L or N.E.W.T!)

Triwizard Challenge:

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Can you convert all the knuts in Snape and Dumbledores Vaults into Galleons and Sickles?

$$17 \times 29 = 493$$

What methods did you use?

1 Galleon = 29 Sickles = 493 Knuts



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Information, coin images, symbols and 'Estimation of wizarding currency into muggle money' table sourced from http://harrypotter.wikia.com/wiki/Wizarding_currency

Triwizard Challenge 2:

Table: Estimation of Wizarding Currency into Muggle Money

	1 Galleon	1 Sickle	1 Knut
Pound Sterling GBP	£4.93	£0.29	£0.01
U.S. Dollar USD	\$7.35	\$0.46	\$0.02
Euro EUR	€5.90	€0.34	€0.01
Japanese Yen JPY	¥653.66	¥37.91	¥1.31
Swiss Franc CHF	7.75 Fr.	0.45 Fr.	0.02 Fr.
Australian Dollar AUD	\$7.96	\$0.46	\$0.02
Canadian Dollar CAD	\$7.82	\$0.45	\$0.02
Danish Kroner DKK	43.94 kr.	2.55 kr.	0.09 kr.
South African Rand ZAR	R 54.01	R 3.13	R 0.11
Indian Rupee INR	Rs. 354.67	Rs. 20.57	Rs. 0.71
Hong Kong Dollar HKD	\$60.64	\$3.52	\$0.12
Philippine Peso PHP	₱342.24	₱19.85	₱0.68
Thai Baht THB	฿245.36	฿14.43	฿0.49
Swedish Krona SEK	53.81 kr	3.12 kr	0.11 kr
Serbian Dinar RSD	631.25 RSD	36.61 RSD	1.26 RSD
Argentine Peso ARS	\$25.34	\$1.49	\$0.03

- What is 3 Galleons in pounds sterling?
- What is 20 Sickles in Danish Kroner?
- What is 42 knuts in Swiss Francs?
- If you have 200 Galleons and all currencies have 10 unit denomination notes, which would give you the most notes?