



Harry Potter

...in Maths transition



Year 6

Lesson 1

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

Be creative, decimals, addition, subtraction, words, pictures etc...



How many ways can you think of?

Be creative!

1)	2)
3)	4)
5)	6)
7)	8)
9)	10)
11)	12)
13)	14)
15)	16)

I thought of _____ ways to write this number differently!



There are 17 Knuts in a Sickle, and 29 sickles in a Galleon.

Q How many Knuts are there in a Galleon?

Use the box below for calculations.

1 Galleon = 29 Sickles

1 Galleon = ___ Knuts

1 Sickle = 17 Knuts

Who has the most money in their vault?

How many Vaults can you calculate? Show your calculations in the boxes provided. (Level: O.W.L.)

<p><i>The Weasley's Vault</i></p> <p><i>Total Contents:</i> <i>3 Sickles</i></p> <p><i>Knuts =</i></p>	<p>Working out box:</p>
<p><i>The Lovegood's Vault</i></p> <p><i>Total Contents:</i> <i>18 Sickles</i></p> <p><i>Knuts =</i></p>	

<p><i>Hagrid's Vault</i></p> <p><i>Total Contents: 82 Sickles</i></p> <p><i>Knuts =</i></p>	
<p><i>Lupin's Vault</i></p> <p><i>Total Contents: 624 Sickles</i></p> <p><i>Knuts =</i></p>	
<p><i>Sirius Black's Vault</i></p> <p><i>Total Contents: 100 Sickles and 50 Knuts</i></p> <p><i>Knuts =</i></p>	
<p><i>The Diggory's Vault</i></p> <p><i>Total Contents: 15 Galleons</i></p> <p><i>Knuts =</i></p>	
<p><i>The Malfoy's Vault</i></p> <p><i>Total Contents: 4 Galleons and 20 Knuts</i></p> <p><i>Knuts =</i></p>	

(Level: N.E.W.T)

<p><i>Rita Skeeta's Vault</i></p> <p><i>Total Contents: 8 Galleons 8 Sickles</i></p> <p><i>Knuts =</i></p>	
<p><i>Cornelius Fudge's Vault</i></p> <p><i>Total Contents: 16 Galleons and 5 Sickles</i></p> <p><i>Knuts =</i></p>	
<p><i>Lockhart's Vault</i></p> <p><i>Total Contents: 6234 Galleons</i></p> <p><i>Knuts =</i></p>	
<p><i>Olivander's Vault</i></p> <p><i>Total Contents: 82 Galleons, 47 Sickles and 1 Knut</i></p> <p><i>Knuts =</i></p>	
<p><i>Bellatrix's Vault</i></p> <p><i>Total Contents: 92 Galleons, 572 Sickles and 206 Knuts</i></p> <p><i>Knuts =</i></p>	

Triwizard Challenge:

1 Galleon = 29 Sickles

1 Galleon = 493 Knuts

1 Sickle = 17 knuts

Can you convert all the Knuts in Snape and Dumbledore's Vaults into Galleons and Sickles?

<p><i>Snape's Vault</i></p> <p><i>Total Contents: (in Knuts)</i></p> <p><i>4404 Knuts</i></p> <p><i>Galleons =</i> <i>Sickles =</i> <i>Knuts =</i></p>	
<p><i>Dumbledore's Vault</i></p> <p><i>8095 Knuts</i></p> <p><i>Total Contents: (in Knuts)</i></p> <p><i>Galleons =</i> <i>Sickles =</i> <i>Knuts =</i></p>	

Triwizard Challenge

2:

Room for working out:

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

UAE ? ? 0.06

- What is 3 Galleons in pound sterling?
- What is 20 Sickles in Danish Kroner?
- What is 42 Knuts in Swiss Francs?

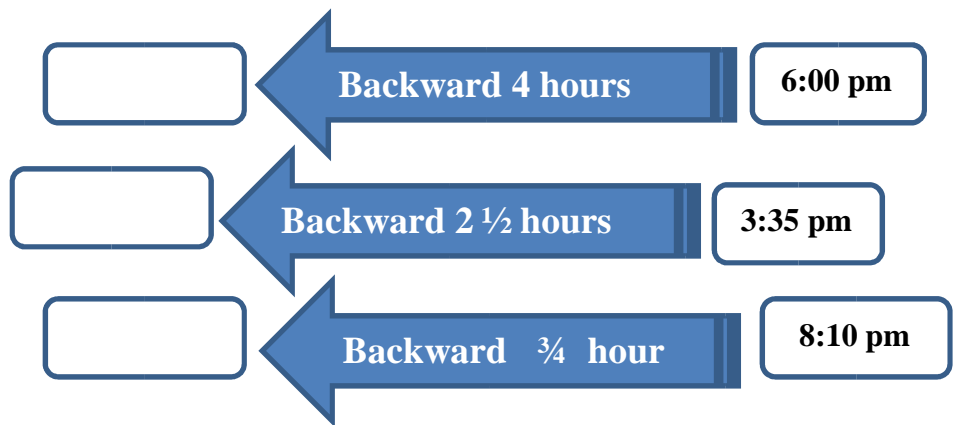
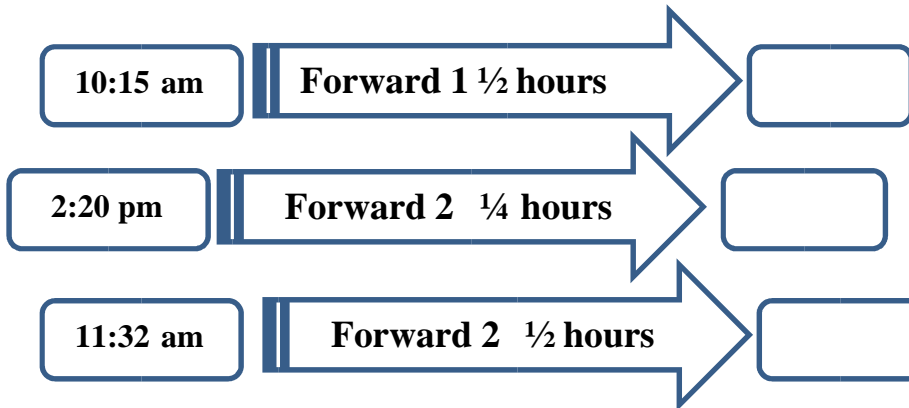
If you have 200 Galleons and all currencies have 10 unit denomination notes, which would give you the most ?

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

Lesson 2:

Task 1:

One turn on the Time-Turner moves her forward or back 1 hour, but she has lost her watch! Can you work out what time she is on?



Help Harry!



Task 2:

Harry is borrowing the Time-Turner, he isn't as good as

Hermione at using it, so you will need to help him!

He has to complete the activities listed so will need to go back in time

Lesson 3

Welcome to Potions!

Can you complete the table? Show any working below.

Ingredients:

- 5 chopped daisy roots,
- 3 skinned shrivelfig
- 1 sliced caterpillar
- one rat spleen
- dash of leech juice
- (Makes 2 Doses)

Shrinking Potion

Ingredient	For 10 people	For 1 person	For 30 people
Daisy roots			
Shrivelfig			
Caterpillar			
Rat spleen			
Leech Juice			

Q: If Ron only has 20 daisy roots, how many people can he make the potion for?

Wit-Sharpening Potion

Ingredients:

- 40 ground Scarab beetles
- 2 tablespoons Armadillo bile
- 1 ginger root
- 20g of Knotgrass
- (makes 10 doses)

Ingredient	For 5 people	For 30 people	For 1 person (use fractions or decimals)
Scarab Beetles			
Armadillo			
Ginger root			
Knotgrass			

(Level N.E.W.T)

Ingredient	For 100 people	For 3 people	For 9 people
Scaraeb Beetles			
Armadilo			
Ginger root			
Knotgrass			

Design your own potion

- Decide what it is for, it must have at least 6 ingredients – use your imagination!

My Own Potion!

“ _____ **Potion**”

Ingredients (for 5 people)

Ingredient	For 10 people	For 1 person	For 20 people

(Level N.E.W.T)

Original Idea for this potions lesson, along with the powerpoint that has been adapted came from a TES resource submitted by Amanda Goddard. <https://www.tes.com/teaching-resource/harry-potter-s-potions-a-ratio-lesson-powerpoint6012867> - Thank you Aman

