# Find the best song for this phrase!

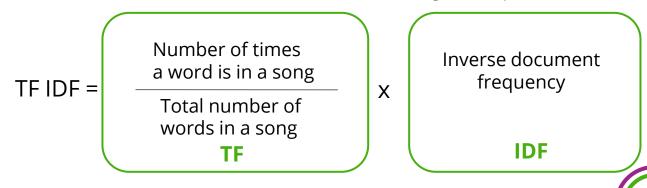
## Make every day count

Q

Step 1) Find the IDF for each word in the phrase

Word	MAKE	EVERY	DAY	COUNT	
IDF					

**Step 2)** Calculate the TF-IDF for each of the songs Find the word count and total word count for each song on the posters!



**Step 3)** Calculate the total TF-IDF for each song using the tables below! The highest score is the best match!

Word Count

TF
Word Count
Total word count:

Word Count
Total word count
Total word count
(from step 1)

MAKE

EVERY

DAY

COUNT

Total TF-IDF
(Sum of TF-IDF)

S	on	q	2:	FI	O	W	er	S

<b>Tota</b>	word	count:	

	Word Count	TF  Word Count  Total word count for song	IDF (from step 1)	<b>TF-IDF</b> (TF x IDF)
MAKE				
EVERY				
DAY				
COUNT				
			Total TF-IDF (Sum of TF-IDF)	

#### Song 3: Let it go

#### Total word count: \_\_\_\_\_

	Word Count	<b>TF</b> Word Count  Total word count for song	IDF (from step 1)	<b>TF-IDF</b> (TF x IDF)
MAKE				
EVERY				
DAY				
COUNT				
			Total TF-IDF (Sum of TF-IDF)	

#### Song 4: September

#### Total word count: \_\_\_\_\_

	Word Count	TF  Word Count  Total word count for song	IDF (from step 1)	<b>TF-IDF</b> (TF x IDF)
MAKE				
EVERY				
DAY				
COUNT				
			Total TF-IDF (Sum of TF-IDF)	

Song	<b>5</b> :	Sha	ke	it	off
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<b>Total</b>	word	count:	

	Word Count	TF  Word Count  Total word count for song	IDF (from step 1)	<b>TF-IDF</b> (TF x IDF)
MAKE				
EVERY				
DAY				
COUNT				
			Total TF-IDF (Sum of TF-IDF)	

Song 6: We don't talk about Bruno

#### Total word count: \_\_\_\_\_

	Word Count	TF  Word Count  Total word count for song	IDF (from step 1)	<b>TF-IDF</b> (TF x IDF)
MAKE				
EVERY				
DAY				
COUNT				
			Total TF-IDF (Sum of TF-IDF)	

	Total TF- IDF
Dance the night	
Flowers	
Let it go	
September	
Shake it off	
We don't talk about Bruno	

### **Best suggestion!**

Largest TF-IDF Score
Best Song Title
Desi Jong Title