



Teacher Notes and Answer Page - Swifties Send Eras Tour Film to Box Office Stardom

Potential discussion topics

Is Taylor Swift the most successful musician of the 2020's/ever?
Should a film about a music tour be compared with traditional films?
What makes Taylor Swift so popular?

Section 1 - Statistics & Data

1. 12×200 people = 2,400 people
 $2,400$ people $\times 2$ = 4,800 people
 $4,800$ people $\times 3$ days = 14,400 people.
2. $14,400$ people $\times$ £15 = £216,000
3. $400 \times 5,000$ tickets = 2,000,000 tickets.
4. £60 million - £48 million = £12 million
 $(£12 \text{ million} / £48 \text{ million}) \times 100$
= 25%
5. $£75,000,000 \times 0.60$ = £45,000,000
6. $£15 \times 2,000,000$ = £30,000,000
cinema: $£30,000,000 \times 0.60$ = £18,000,000
distributor: $£30,000,000 \times 0.40$ = £12,000,000

Section 2 - Practical Maths

To be written in email format using full sentences to answer the questions asked by Head Office.

- $9,200 \times 0.65$ = 5,980 customers.
- $£4.50 \times 5,980$ = £26,910
- 30×15 minutes = 450 minutes
 $450 \text{ minutes} / 60$ = 7.5 hours or 7hrs 30m
- $3,800 / 12$ = 316.67 = 316 customers per hour.
- 200×0.70 = 140
 $200 + 140$ = 340

Section 3 - Problem Solving

1. Popcorn: $9,000 \times 0.40$ = 3,600
Drinks: $9,000 \times 0.25$ = 2,250
Both: $9,000 \times 0.15$ = 1,350
2. Order A: $(2 \times £6) + £30$ = £42
Order B: $£18 + (3 \times £6)$ = £36
Order C: $(2 \times £30) + (2 \times £18)$ = £96
Total: $£42 + £36 + £96$ = £174
3. $2,000,000 / 90,000$ = 22.2 times bigger.

Merchandise Items

T-shirt: £30 Boots: £100
Popcorn: £15 Drink: £10