

Answers

Activity 1

- Option 2
- R0.05 per second
- R2.75 per minute
- 55 seconds
- $2 \times R2.75 = R5,50$
- $120 \times 0.05 = R6$
- $5 \times 2,75 = R13.75$ per call on Option 1
 $300 \times 0.05 = R15$ per call on Option 2
 She should use Option 1 (per minute billing) as it works out cheaper for a 5-minute phone call.

Activity 2

- Table:

	No. of passengers					
	1	2	3	4	5	6
Tina's Taxis	650	325	216.67	162.50	130	108.33
Green cabs	290	190	156.67	140	130	123.33

Calculations:

Tina's Taxis:

$$R650 \div 1 = 650$$

$$R650 \div 2 = 325$$

$$R650 \div 3 = 216.67$$

$$R650 \div 4 = 162.50$$

$$R650 \div 5 = 130$$

$$R650 \div 6 = 108.33$$

Green cabs:

$$R200 \div 1 + 90 = 209$$

$$R200 \div 2 + 90 = 190$$

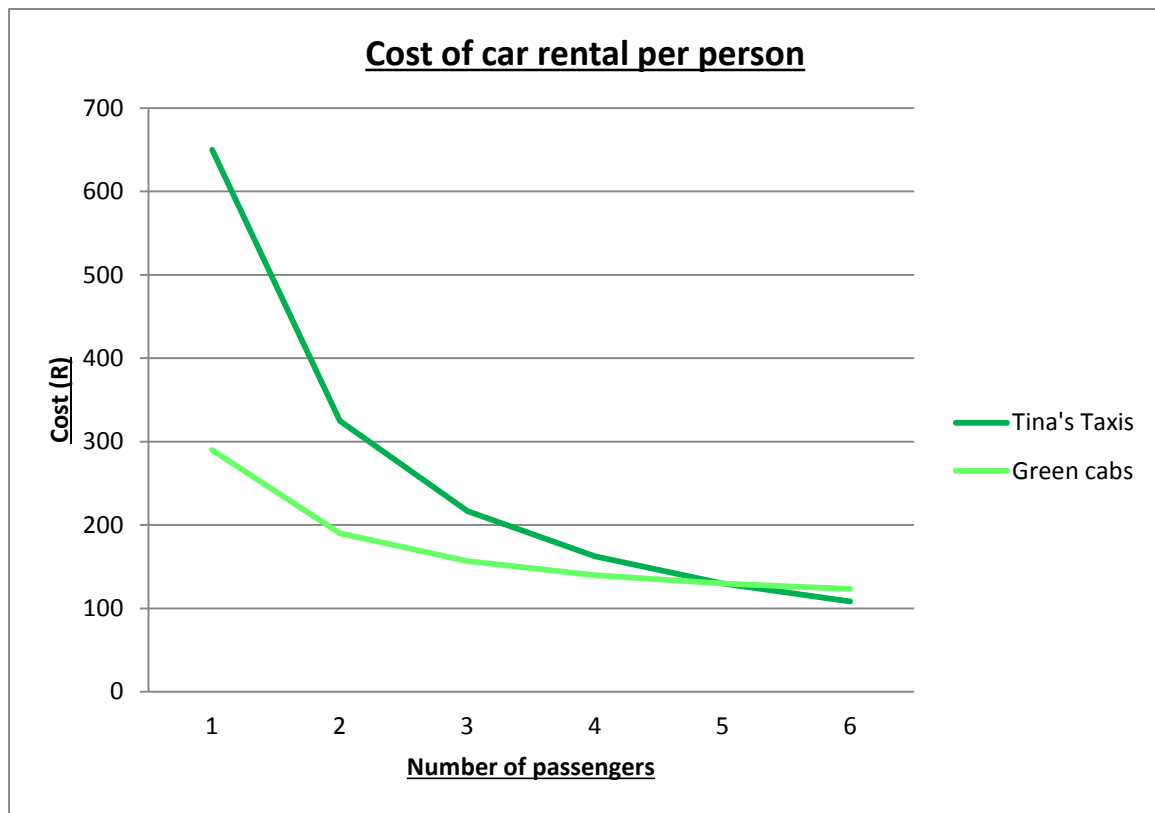
$$R200 \div 3 + 90 = 156.67$$

$$R200 \div 4 + 90 = 140$$

$$R200 \div 5 + 90 = 130$$

$$R200 \div 6 + 90 = 123.33$$

2.



3. Five (5) passengers
4. Green cabs
5. Tina's Taxis
6. Inverse proportion – as one value increases (the number of people) the other value decreases (the cost per person).