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#### **Unit Rates Worksheet**

1) There are equal numbers of bananas in each basket. There are 21 bananas in 7 baskets. There are \_\_\_\_\_ bananas in one basket.



2) Alex bakes 25 cupcakes every 40 minutes. The average cupcake baked every hour is \_\_\_\_\_.



- 3) A restaurant had 500 customers over 2 days. Average customers coming per day is \_\_\_\_\_.
- 4) A bike travelled 120 miles in 3 hours. The speed of the bike is \_\_\_\_\_ miles per hour.
- 5) Jason bought 3 comic books for 6 dollars. The cost of each comic book is \_\_\_\_\_ dollars.
- 6) Each box has 5 balls. If there are 3 boxes, the total number of balls in all boxes is \_\_\_\_\_.



- 7) If there are 72 residents on 12 floors in a hotel, then there are 18 residents on \_\_\_\_\_ floors of the hotel.
- 8) A tank is being filled with water at the rate of 2 gallons per min. If the volume of the tank is 100 gallons, find in how many minutes, the tank will be full?
- 9) If the cost of 20 flowers is \$4.2, the cost of 4 flowers is .



10) James writes 10 pages in 100 min. The writing speed of James is \_\_\_\_\_ pages per minute.



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### Why choose Cuemath?

"Cuemath is a valuable addition to our family. We love solving puzzle cards. My daughter is now visualizing maths and solving problems effectively!"

"Cuemath is great because my son has a one-on-one interaction with the teacher. The instructor has developed his confidence and I can see progress in his work. One-on-one interaction is perfect and a great bonus."

"I appreciate the effort that miss Nitya puts in to help my daughter understand the best methods and to explain why she got a problem incorrect. She is extremely patient and generous with Miranda."

- Gary Schwartz

- Kirk Riley

- Barbara Cabrera

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## **ANSWERS**

| 1) | 3 bananas                         |
|----|-----------------------------------|
| 2) | $37\frac{1}{2}$ cupcakes per hour |
| 3) | 250 customers                     |
| 4) | 40 miles per hour                 |
| 5) | \$2                               |
| 6) | 15 balls                          |



| 7)  | 3 floors            |
|-----|---------------------|
| 8)  | 50 minutes          |
| 9)  | \$0.84              |
| 10) | 0.1 page per minute |



# **FUN FACT**

- Unit rates forms a ratio of two quantities where it compares units of one quantity to unit of the other quantity.
- 2. Once we get the unit rate of quantity, we can find its value to any unit quantity.

