1. **Join the necessary tables to find the total quantity of each pizza category ordered.**

```
SELECT
   PT.category, SUM(OD.quantity) AS quantity
FROM
   pizza_types PT,
   order_details OD,
   pizzas P
WHERE
   PT.pizza_type_id = P.pizza_type_id
      AND P.pizza_id = OD.pizza_id
GROUP BY PT.category
ORDER BY quantity DESC;
```

2. **Determine the distribution of orders by hour of the day.**

```
SELECT
   HOUR(order_time) AS hours, COUNT(order_id) AS total_orders
FROM
   orders
GROUP BY hours;
```

3. **Join relevant tables to find the category-wise distribution of pizzas.**

```
SELECT
   category, COUNT(name) AS distribution
FROM
   pizza_types
GROUP BY category;
```

4. **Group the orders by date and calculate the average number of pizzas ordered per day.**

```
SELECT
   AVG(total_orders)
FROM
```

```
(SELECT
   orders.order_date,
      SUM(order_details.quantity) AS total_orders
FROM
   orders
JOIN order_details ON orders.order_id = order_details.order_id
GROUP BY orders.order_date) AS orderdate;
```

5. **Determine the top 3 most ordered pizza types based on revenue.**

```
SELECT
   pizza_types.name,
   SUM(order_details.quantity * pizzas.price) AS revenue
FROM
   pizza_types
      JOIN
   pizzas ON pizza_types.pizza_type_id = pizzas.pizza_type_id
      JOIN
   order_details ON pizzas.pizza_id = order_details.pizza_id
GROUP BY pizza_types.name
ORDER BY revenue DESC
LIMIT 3;
```