

#1. Provide a summary of the data that includes the number of cities and number of states

```
SELECT COUNT(DISTINCT citycode) AS num_of_cities FROM city
SELECT COUNT(DISTINCT state) AS num_of_states FROM city
```

#2. Determine average, minimum and maximum rent across the entire dataset

```
SELECT AVG(price) AS avg_price FROM city_price
SELECT MIN(price) AS min_price FROM city_price
SELECT MAX(price) AS max_price FROM city_price
```

#3. Determine the average, minimum and maximum price per sq ft across the entire dataset

```
SELECT AVG(pricesqft) AS avg_pricesqft FROM city_pricepersqft
SELECT MIN(pricesqft) AS min_pricesqft FROM city_pricepersqft
SELECT MAX(pricesqft) AS max_pricesqft FROM city_pricepersqft
```

#4. What is the average price per sq ft in OK state?

```
SELECT AVG(pricesqft) AS avg_pricesqft_OK
FROM city_pricepersqft JOIN city ON city.citycode = city_pricepersqft.city_citycode
WHERE state = 'OK'
```

#5. How many metros have price per sq ft greater than the above average?

```
SELECT COUNT(metro) AS metro_num FROM (SELECT metro, AVG(pricesqft) AS avg_pricesqft_metro
FROM city_pricepersqft JOIN city ON citycode = city_citycode
GROUP BY metro
HAVING avg_pricesqft_metro > (SELECT AVG(pricesqft) AS avg_pricesqft_OK
FROM city_pricepersqft JOIN city ON city.citycode = city_pricepersqft.city_citycode
WHERE state = 'OK')) AS metro_ok
```

#6. What are the names of the metros and the cities they are in?

```
SELECT metro, city
FROM city_pricepersqft JOIN city ON citycode = city_citycode
GROUP BY metro
HAVING AVG(pricesqft) > (SELECT AVG(pricesqft) AS avg_pricesqft_OK
FROM city_pricepersqft JOIN city ON city.citycode = city_pricepersqft.city_citycode
WHERE state = 'OK')
```