1. How many positions are linked to invoices that are missing payment info?

   The Answer would be 7116 positions.

   Missing payment info means invoices missing zahlungsdatum or zahlungsbetragbrutto:

```sql
select count(distinct p.id) count  --7116
FROM  public.abrechnung_positionen p
inner join public.abrechnung_rechnungen i
        on (i.renummer = p.reid and i.kdnr = p.kdnr)
where (i.zahlungsdatum is null or i.zahlungsbetragbrutto = 0)
```

2. How much revenue is attributed to placeholder media ID '100000000'?

   The net revenue would be 2121721.9700 and the gross revenue would be 2213407.7200.

   I assume the revenue without tax and other deductions is net revenue and the revenue with tax and other deductions is the gross revenue. This applies only to valid successful invoices.

```sql
select sum(i.summenetto) net_revenue, sum(i.zahlungsbetragbrutto) gross_revenue
FROM public.abrechnung_rechnungen i
inner join public.abrechnung_positionen p
        on (i.renummer = p.reid and i.kdnr = p.kdnr)
where p.bildnummer = 100000000
and i.zahlungsdatum is not null
and i.zahlungsbetragbrutto > 0
```

3. How many invoices have no positions attached?

   The answer would be 1011 invoices

   Using a left join, I find orphan invoices.

```sql
SELECT count(*) count  --1011
FROM public.abrechnung_rechnungen i
left join public.abrechnung_positionen p
```

```
        on (i.renummer = p.reid and i.kdnr = p.kdnr)
where p.reid is null
```