The Palace Extension

Leontes has decided that he wants a larger palace so he decides to build an extension. Help the builders distribute the stones to the place where each new room will be.

1. 21 stones into 3 rooms.
2. 25 stones into 5 rooms.
3. 32 stones into 8 rooms.
4. 36 stones into 9 rooms.
5. 48 stones into 8 rooms.
6. 81 stones into 9 rooms.
7. 132 stones into 12 rooms.
8. 120 stones into 10 rooms.
9. 60 stones into 5 rooms.
10. 40 stones into 5 rooms.
11. 66 stones into 6 rooms.
12. 72 stones into 9 rooms.
13. 49 stones into 7 rooms.