

Answers

- $11 \div 3 = 3$ remainder 2
Each room can host 3 parties each day.
 $3 \times 4 = 12$
The center can host up to 12 parties in a day.
- Each room will host 3 parties, each lasting 3 hours.
Total party time $3 \times 3 = 9$ hours
Total time the center is open = 11 hours
Time left for cleaning = 11 hours – 9 hours = 2 hours = 120 minutes.
Time left after each party = $120 / 3 = 40$ minutes/party.
- $85 - 47 = 38$
The staff can let in 38 more children.
- $85 - (20 \times 2) = 45$
The staff can let in 45 more children.
- $28 - 20 = 8$
There are 8 extra guests.
 $48 + (3 \times 8) = \$72$
A party of 28 children costs \$72.
- $6x = 402$
 $x = 67$
There were 67 children.