#1

Gavin can play every 4 days, and Madison can play every 3 days. How many days until they can play together next?

[   ] days

Show your work

#2

Choose the best answer

A club has 2 girls and 5 boys as members. The president wants to break the club into groups, with each group containing the same combination of girls and boys. The president also wants to make sure that no one is left out. What is the greatest number of groups the president can make?

○ 0   ○ 1

○ 4   ○ 2

Show your work

#3

Choose the best answer

Sophia is a camp coordinator and is assembling first aid kits. If she has 4 bandages and 9 alcohol swabs then how many first aid kits can she make without having any leftover materials, and each first aid kit being the same?

○ 3   ○ 0

○ 1   ○ 4

Show your work

#4

Kaylee is a camp coordinator and is assembling first aid kits. If she has 5 bandages and 3 alcohol swabs then how many first aid kits can she make without having any leftover materials, and each first aid kit being the same?

[ ] **kits**

Show your work

#5

Anthony owns a business and assigns two of his employees their shifts. He assigns the first employee shifts in blocks of 2 hours, and he assigns the second worker shifts in blocks of 5 hours. If both workers must receive the same number of hours, what is the minimum number of hours each must be assigned?

[ ] **hours**

Show your work

#6

Alexander is planning his birthday party and needs an equal number of cards and envelopes for his invites. If cards come in packs of 4, and envelopes come in packs of 2, what is the minimum number of cards he can buy?

[ ] **cards**

Show your work

#7

A teacher is trying to divide up her class into the maximum number of groups that have the same girl to boy ratio. How many groups can she make with 9 boys and 2 girls?

[   ] **groups**

Show your work

#8

At the hospital Noah has every 2 days off, and his friend Christopher has every 3 days off. In how many days will they have a day off together?

[   ]

Show your work

#9

Choose the best answer

Kayla is helping out at her sister's wedding and is preparing floral arrangements. There are 2 lilies and 5 daisies. What is the maximum number of arrangements Kayla can make while having each of them be exactly the same and having no flowers left over?

○ 0   ○ 4

○ 1   ○ 2

Show your work

#10

Choose the best answer

Savannah is playing with her plastic soldiers and is dividing them up into identical units. She wants the same number of infantry and calvary in each group. How many units can she make if she has 4 calvary and 6 infantry without leaving any soldiers out?

○ 1   ○ 5

○ 3   ○ 2   Show your work

#11

Choose the best answer

Mackenzie owns a business and assigns two of her employees their shifts. She assigns the first employee shifts in blocks of 3 hours, and she assigns the second worker shifts in blocks of 5 hours. If both workers must receive the same number of hours, what is the minimum number of hours each must be assigned?

○ 18   ○ 20

○ 14   ○ 15   Show your work

#12

Choose the best answer

Matilda goes swimming every 2 days, but her sister goes swimming every 4 days. How many days will it be until they swim on the same day?

○ 4   ○ 1

○ 7   ○ 6   Show your work

Question	Answer
#1	12
#2	1
#3	1
#4	1
#5	10
#6	4
#7	1
#8	6
#9	1
#10	2
#11	15
#12	4