

2. List the first 6 multiples of each number.

a) 12

b) 11

c) 16

d) 15

12 24 36 48 60 72 84

11 22 33 44 55 66 77

16 32 48 64 80 96 112

15 30 45 60 75 90 105

3. Which numbers below are multiples of 6?

What strategy did you use to find out?

36 70 66 42 54 27 120 81

6 12 18 24 30 36
42 48 54 60 66 72
78 84 90 96 102
108 114 120

4. Which of the numbers 21, 24, 45, 30, 42, 60, and 84 are multiples of:

- a) 3? b) 12? c) 7? d) 15?

3 6 9 12 15 18 21
 24 27 30 33 36 39 42
 45 48 51 54 57 60
 63 66 69 72 75 78
 81 84

12 24 36 48 60 72 84

7 14 21 28 35 42 49
 56 63 70 77 84

15 30 45 60 75 90

5. Find the first 3 common multiples of each pair of numbers.

a) 4 and 5

b) 7 and 4

c) 3 and 9

d) 10 and 15

6. Find the first 3 common multiples of each set of numbers.
Which is the least common multiple? Explain your work.
- a) 3, 4, and 6 b) 2, 3, and 4 c) 4, 5, and 10

7. Find all the common multiples of 8 and 9 that are less than 100.

8 16 24 32 40 48
56 64 72 80 88 96

9 18 27 36 45 54
63 72 81 90 99

8. Two TV movies start at 8:00 P.M.
One channel airs commercials every 6 min.
The other channel airs commercials every 9 min.
When will the two channels start commercial breaks at the same time?



9. A spider has 8 legs. An ant has 6 legs. There are a group of spiders and a group of ants. The groups have equal numbers of legs. What is the least number of spiders and ants in each group? Show your work.



Attachments

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