



Show your work when necessary.
You will not receive credit unless you **SHOW YOUR WORK**.

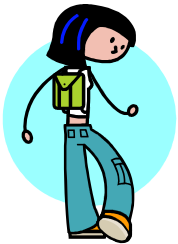


A) OK. This is a challenging problem. Think about the question carefully, then be neat and organized in your work. Show all of your work in the blank space below and attach a separate sheet if necessary.

Send your answers to me at www.aulow.com and I'll let you know if you are correct or incorrect. Students who get this problem correct will have their names displayed on aulow.com as Math Superstars for Summer 2010.

There are 7 girls on a bus. Each girl has 7 backpacks. Inside each backpack are 7 large cats. For every large cat in a backpack there are also 7 small cats.

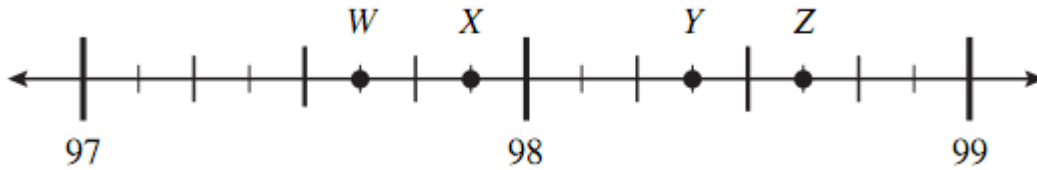
How many legs are on the bus? _____



Hint - the answer is more than 500 and less than 12,000



- A) Michelle E. plotted 4 points on the number line below.
Look carefully at the number line, then answer the following questions.



- A1) Which point is located at $97 \frac{7}{8}$? _____
- A2) Which point is located at $98 \frac{3}{8}$? _____
- A3) Which point is located at $98 \frac{5}{8}$? _____
- A4) Which point is located at $97 \frac{5}{8}$? _____
- A5) Neatly plot point B at $98 \frac{3}{4}$, and point C at $97 \frac{1}{4}$.

- B) Reduce each fraction below to simplest form.

- ① $\frac{8}{14} =$ _____
- ② $\frac{10}{45} =$ _____
- ③ $\frac{9}{21} =$ _____
- ④ $\frac{27}{36} =$ _____
- ⑤ $\frac{7}{35} =$ _____
- ⑥ $\frac{9}{18} =$ _____
- ⑦ $\frac{18}{30} =$ _____
- ⑧ $\frac{40}{56} =$ _____
- ⑨ $\frac{12}{24} =$ _____
- ⑩ $\frac{20}{30} =$ _____
- ⑪ $\frac{45}{72} =$ _____
- ⑫ $\frac{18}{45} =$ _____
- ⑬ $\frac{12}{15} =$ _____
- ⑭ $\frac{12}{36} =$ _____
- ⑮ $\frac{9}{54} =$ _____
- ⑯ $\frac{5}{15} =$ _____
- ⑰ $\frac{24}{48} =$ _____
- ⑱ $\frac{8}{16} =$ _____
- ⑲ $\frac{42}{48} =$ _____
- ⑳ $\frac{6}{21} =$ _____
- ㉑ $\frac{50}{90} =$ _____
- ㉒ $\frac{32}{72} =$ _____
- ㉓ $\frac{54}{72} =$ _____
- ㉔ $\frac{54}{81} =$ _____

Multiplication Five Minute Frenzy (N)

Try to complete each chart in less than five minutes and score 98 out of 100 or better. Write the product of the column and row numbers in each space.

x	8	3	1	7	10	2	4	5	12	6
10										
6										
3										
1										
11										
7										
4										
5										
8										
2										

x	6	11	5	10	3	4	8	12	2	7
5										
12										
11										
7										
3										
1										
6										
4										
9										
2										

x	8	3	9	10	11	6	5	1	12	2
1										
4										
5										
11										
2										
3										
8										
12										
10										
9										

x	11	4	7	6	2	12	8	10	9	1
5										
12										
1										
7										
10										
2										
4										
9										
8										
6										

Multiplication Facts Pre / Post Test - PRACTICE

Name: _____

You have 2 minutes to complete the 60 facts below.

Date: _____

Ask your parents to time you and then check your work.

$$\begin{array}{r} 2 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 1 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 1 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 1 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 1 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 1 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 1 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 1 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 1 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 7 \\ \hline \end{array}$$

Grade Scale:

- 0 or - 2 = A

- 3 or - 4 = B

- 5 or - 6 = C

- 7 or - 8 = D

- 9 or more = F

Need more practice? These tests are available on www.aulow.com.