

Packing Pencils Anchor Papers

Packing Pencils


The Pencil Company sells pencils in the following quantities:

- Singles (1 pencil)
- Bundles (10 pencils)
- Boxes (100 pencils)
- Cases (1,000 pencils)

The Pencil Company just received an order for 2,342 pencils. However, they currently have only one case of pencils in stock, but they have a large quantity of the other packing sizes.

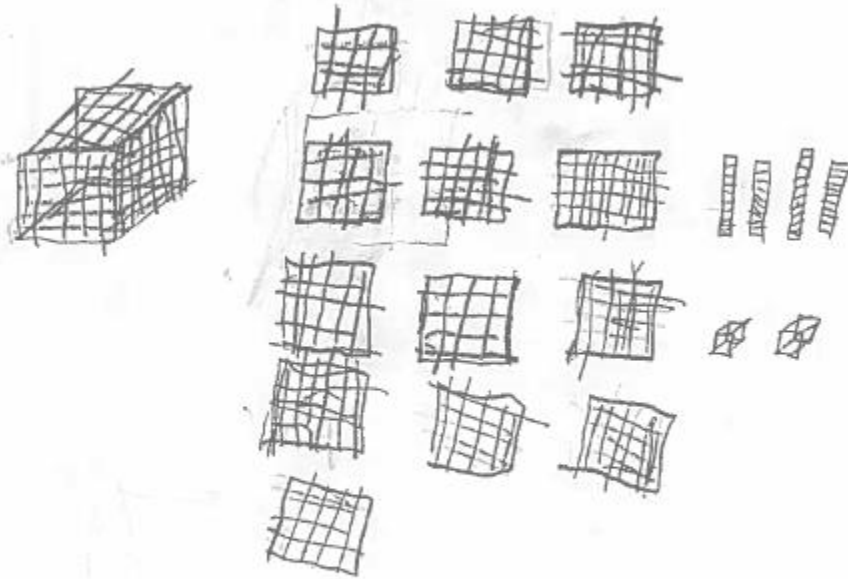
Show at least three different ways that the pencils could be packed for this order. Explain your thinking using pictures, numbers, and words.

STUDENT A

Cases	Boxes	Bundles	Singles
			
			
			

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STUDENT B



STUDENT C

Show at least three different ways that the pencils could be packaged for this order. Explain your thinking using pictures, numbers, and words.

1. $1,000 + 1,000$

$1,000 + 1,300 + 12 = 2,312$


$2,300 + 92 = 2,392$

3. $2,300 + 92 = 2,392$

4. $1,000 + 310 = 1,310$

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STUDENT D

Cases	Boxes	Bundles	Singles
1	1000 	100	10

STUDENT E

cases	boxes	bundles	singles	
1	6	74	2	$\begin{array}{r} 1000 \\ 600 \\ 740 \\ 2 \\ + \\ \hline 2342 \end{array}$
1	5	84	2	$\begin{array}{r} 1000 \\ 500 \\ 840 \\ 2 \\ + \\ \hline 2342 \end{array}$
1	4	94	2	$\begin{array}{r} 1000 \\ 400 \\ 940 \\ 2 \\ + \\ \hline 2342 \end{array}$
1	3	204	2	$\begin{array}{r} 1000 \\ 300 \\ 2040 \\ 2 \\ + \\ \hline 2342 \end{array}$
0	2	214	2	$\begin{array}{r} 1000 \\ 200 \\ 2140 \\ 2 \\ + \\ \hline 2342 \end{array}$
0	1	124	2	$\begin{array}{r} 1000 \\ 100 \\ 1240 \\ 2 \\ + \\ \hline 2342 \end{array}$
1	0	228	2	$\begin{array}{r} 1000 \\ 200 \\ 2280 \\ 2 \\ + \\ \hline 2342 \end{array}$
1	0	27	17	$\begin{array}{r} 1000 \\ 20 \\ 270 \\ 17 \\ + \\ \hline 2342 \end{array}$

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STUDENT E Continued

	Cases	Boxes	Bundles	Singles
$\begin{array}{r} 1000 \\ 1000 \\ 340 \\ + 2 \\ \hline 2342 \end{array}$	1	10	34	2
$\begin{array}{r} 1000 \\ 1300 \\ 40 \\ - 2 \\ \hline 2342 \end{array}$	1	13	4	2
$\begin{array}{r} 1000 \\ 900 \\ + 440 \\ \hline 2342 \end{array}$	1	9	44	2
$\begin{array}{r} 1000 \\ 800 \\ 540 \\ 2 \\ \hline 2342 \end{array}$	1	8	54	2
$\begin{array}{r} 1000 \\ 1200 \\ 140 \\ 2 \\ \hline 2342 \end{array}$	1	12	14	2
$\begin{array}{r} 1000 \\ 700 \\ 640 \\ + 2 \\ \hline 2342 \end{array}$	1	7	64	2
$\begin{array}{r} 1000 \\ 1100 \\ 240 \\ 2 \\ \hline 2342 \end{array}$	1	11	24	2

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STUDENT F

