



TARLETON STATE UNIVERSITY
DAIRY CATTLE CDE
PEDIGREE SCENARIO

You are an Agricultural Science Teacher assisting a new FFA member in purchasing a dairy heifer. Most people told you to visually inspect the heifer for the characteristics that will make her a good show heifer. You have found 4 heifers that will work for the show ring and can purchase any of the 4 for the same price.

Most of the heifer sellers indicate that the TPI (Type Production Index) is a good way to measure genetic merit of an animal and they will pay more for a heifer with a higher TPI. The student that you are assisting will want to sell the heifer after showing her and you would expect to get more for a heifer with a higher TPI.

Rank the four heifer pedigrees based on TPI and remember the reliability (%R) affects the total score.

DO NOT WRITE ON ANY PEDIGREE PAGES



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PEDIGREE SOLUTION

	<u>AVG %R</u>	<u>TPI</u>	<u>POINTS</u>	<u>PLACING</u>
PEDIGREE #1	76.5 64.0	1726 1802	1320 1153 <hr/> 2474	<hr/> 1
PEDIGREE #2	78.0 62.0	1583 1582	1235 981 <hr/> 2216	<hr/> 4
PEDIGREE #3	87.5 63.5	1432 1722	1253 1093 <hr/> 2346	<hr/> 3
PEDIGREE #4	97.0 56.5	1504 1760	1459 994 <hr/> 2453	<hr/> 2