

Pentiminoes Challenge Cards Answers

1. Pentomino puzzle must be completed before moving on to the other challenge cards (one solution is on accompanying activity sheet)
2. a. Various answers by adding 4 numbers.
b. Various answers by adding 6 numbers.
c. Various answers by adding 10 numbers.
3. a. Various answers for adding 28 perimeter tiles.
b. Total of area tiles: 1830
4. Various answers to show numbers organised into a larger row total minus a smaller row total for each of the 3 calculations.
5. Various answers that factorise the sum of the corner tiles.
6. A prime number can be divided evenly only by 1, or itself.
And it must be a whole number greater than 1.

2, 3, 5, 7, 11, 13, 17, 19, 23, 29, 31, 37, 41, 43, 47, 53, 59
7. Various answers to show numbers organised into a larger row total minus a smaller row total for each of the 5 calculations.
8. The sum of the tiles $\times 10$.
9. The sum of the tiles $\times$ largest top row number.
10. The sum of the perimeter tiles $\div$ smallest number on bottom row.
The remainder will be a whole number and the fraction remainder will be the whole number remainder over the divisor. For example: $23 \div 3 = 7$ remainder 2, or $7\frac{2}{3}$.