Investigation worksheet

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| a | b | c | a + b | Perimeter | Triangle? (Yes/No) | Type of triangle |
| 10 | 15 | 17 | 27 | 42 | Yes | Scalene |
| 8 | 9 | 13 |  |  |  |  |
| 9 | 9 | 12 |  |  |  |  |
| 6 | 8 | 10 |  |  |  |  |
| 5 | 6 | 13 |  |  |  |  |
| 7 | 7 | 7 |  |  |  |  |
| 6 | 7 | 18 |  |  |  |  |
| 3 | 8 | 11 |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

A triangle can be formed when: …

Exit ticket

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| a | b | c | Triangle? (Yes/No) | Type of triangle | Perimeter |
| 7 | 7 | 4 |  |  |  |
| 4 | 4 | 8 |  |  |  |
| 9 | 8 | 15 |  |  |  |
| 9 | 6 | 19 |  |  |  |
| 3 | 4 | 5 |  |  |  |
| 11 | 11 | 11 |  |  |  |