

NC. Objective: To solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.

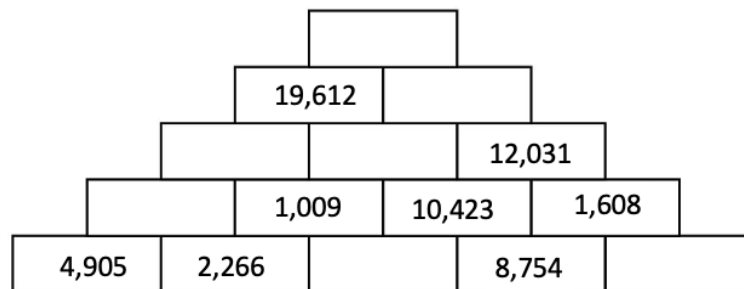
1. In the height of winter there is significant snowfall around Elsinore Castle. On Saturday evening, 68,538 snowflakes fell. On Sunday evening, 16,449 fewer snowflakes fell compared to Saturday.



How many snowflakes fell on Sunday?

What is the difference between the number of snowflakes that fell on the two evenings?

2. In the number pyramid, each number is the sum of the two numbers below it. Use addition and subtraction to complete this pyramid.



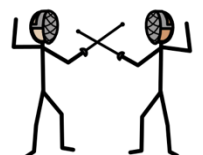
3. Hamlet started working on some calculations in his notebook but was quickly distracted by thoughts of the cause of his father's death. Complete the calculations for him.



| | | | | |
|-------|---|---|---|---|
| | 2 | | 6 | 3 |
| + | | 1 | 6 | |
| <hr/> | | | | |
| | 9 | 7 | 2 | 8 |

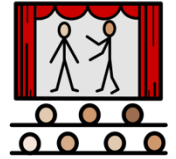
| | | | | | |
|-------|---|---|---|---|---|
| | 4 | 7 | | 4 | 6 |
| - | | 3 | 5 | 2 | 9 |
| <hr/> | | | | | |
| | 4 | 3 | 8 | | 7 |

4. Hamlet and Laertes bought their rapiers from the same vendor. Hamlet's rapier cost £2,519. Laertes' rapier cost £1,215 more than Hamlet's.



What is the difference between the cost of the two swords?

5. A large audience arrived at the castle to watch the performance by the troop of travelling players. Groups of audience members arrived in 5-minute intervals. The numbers in the sequence below show the increasing size of the audience.



Complete the sequence.

| | | | | |
|--------|--------|--------|--|--|
| 12,470 | 12,580 | 12,690 | | |
|--------|--------|--------|--|--|

Challenge:

Have a go at writing your own Hamlet word problem:
