

5. What number comes next in this sequence?

5, 6, 9, 14, 21, _____

A. 26

B. 27

C. 30

D. 32

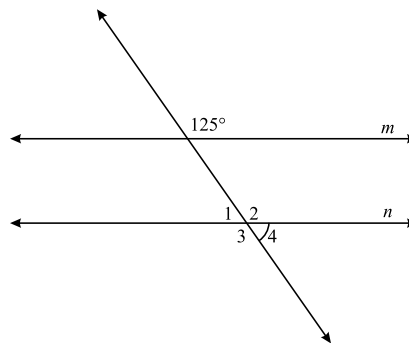
Session 1, Short-Answer Questions

6. Compute:

$$35.2 - 5.74 =$$

Reporting Category/Substrand for Item 6: **Number Sense/Computation and Estimation** (p. 142)

Use the figure below to answer question 7.

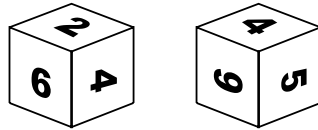


7. Lines m and n are parallel. What is the measure of $\angle 4$?

Reporting Category/Substrand for Item 7: **Geometry and Measurement/Geometry** (p. 144)

Session 1, Open-Response Question

8. John is playing a board game that uses a pair of number cubes with sides numbered 1 to 6.



To find how many spaces he can move on the board, he adds the two numbers he rolls.
The possible sums are

2, 3, 4, 5, 6, 7, 8, 9, 10, 11, and 12.

- Are all the sums John can roll equally likely? Explain your reasoning in detail.
- John needs to roll a sum of exactly 11 in order to get another turn. What is the probability that he will roll a sum of exactly 11? Explain your reasoning in detail.

Reporting Category/Substrand for Item 8: Statistics and Probability/Probability (p. 145)