Review Chapter 1...

Quiz is on Tuesday

1.1: Terms - conjecture, inductive reasoning
- develop a conjecture
- evaluate a conjecture

1.2: - testing a conjecture (valid vs invalid)
- through measurement

1.3: Term - counterexample
- find a counterexample
- evaluate a counterexample

1.4: Terms - deductive reasoning
- algebra to prove the conjecture
- evaluate a proof

1.5: Terms: premise, generalization, circular reasoning
- find errors
- correct errors
- 'common errors'... 1) false assumptions
  2) dividing by zero
  3) calculation errors
  4) logical errors

1.6: - solve a problem using logic
- strategies: pictures, charts, algebra, etc..
- using patterns/examples

Foundations of Math 11 Quiz - Chp. 1 Logical Reasoning

Mr. Hallihan

Posted: April 12, 2018

Date:

Tue, Apr 17/18 9:40 am

Check out the following for practice questions...

Mid Chp. Practice p. 35 #2, 3, 5, 6, 8, 9, 10, 11

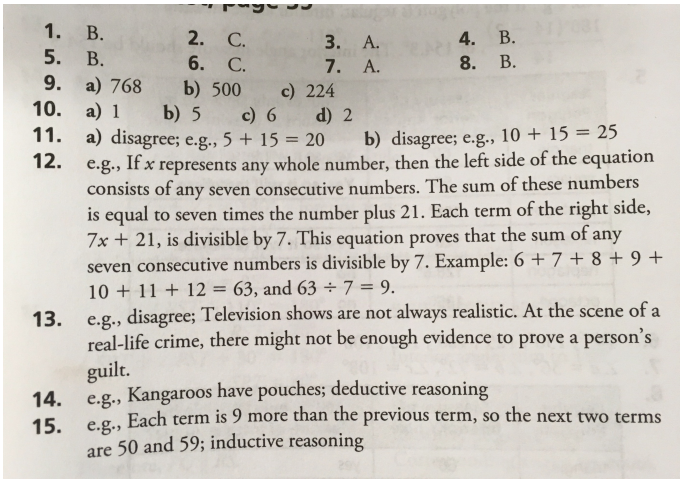
End Chp. Practice p. 61 All except section 1.7

Self Test p. 58 #1, 2, 4, 5, 6

Frequently Asked Questions p. 59

Review Chp. 1 - Workbook Questions.pdf

Review Worksheet Solutions...



1. B. 2. C. 3. A. 4. B.
5. B. 6. C. 7. A. 8. B.
9. a) 768 b) 500 c) 224
10. a) 1 b) 5 c) 6 d) 2
11. a) disagree; e.g., $5 + 15 = 20$ b) disagree; e.g., $10 + 15 = 25$
12. e.g., If x represents any whole number, then the left side of the equation consists of any seven consecutive numbers. The sum of these numbers is equal to seven times the number plus 21. Each term of the right side, $7x + 21$, is divisible by 7. This equation proves that the sum of any seven consecutive numbers is divisible by 7. Example: $6 + 7 + 8 + 9 + 10 + 11 + 12 = 63$, and $63 \div 7 = 9$.
13. e.g., disagree; Television shows are not always realistic. At the scene of a real-life crime, there might not be enough evidence to prove a person's guilt.
14. e.g., Kangaroos have pouches; deductive reasoning
15. e.g., Each term is 9 more than the previous term, so the next two terms are 50 and 59; inductive reasoning

Attachments

Review Chp. 1 - Workbook Questions.pdf