AFm Act. #44 "Arithmetic Means"

[1] Find the 138th term for the following sequence

$-5, \_\_\_, \_\_\_, \_\_\_, \_\_\_, \_\_\_, -23$

[2] What is the common difference for the following sequence

$\frac{1}{4}, \_\_\_, \_\_\_, \_\_\_, \frac{21}{20}$

[3] Find the first 3 terms of the Arithmetic Sequence with $a_1 = 4$, $a_n = 31$, and $n = 10$.

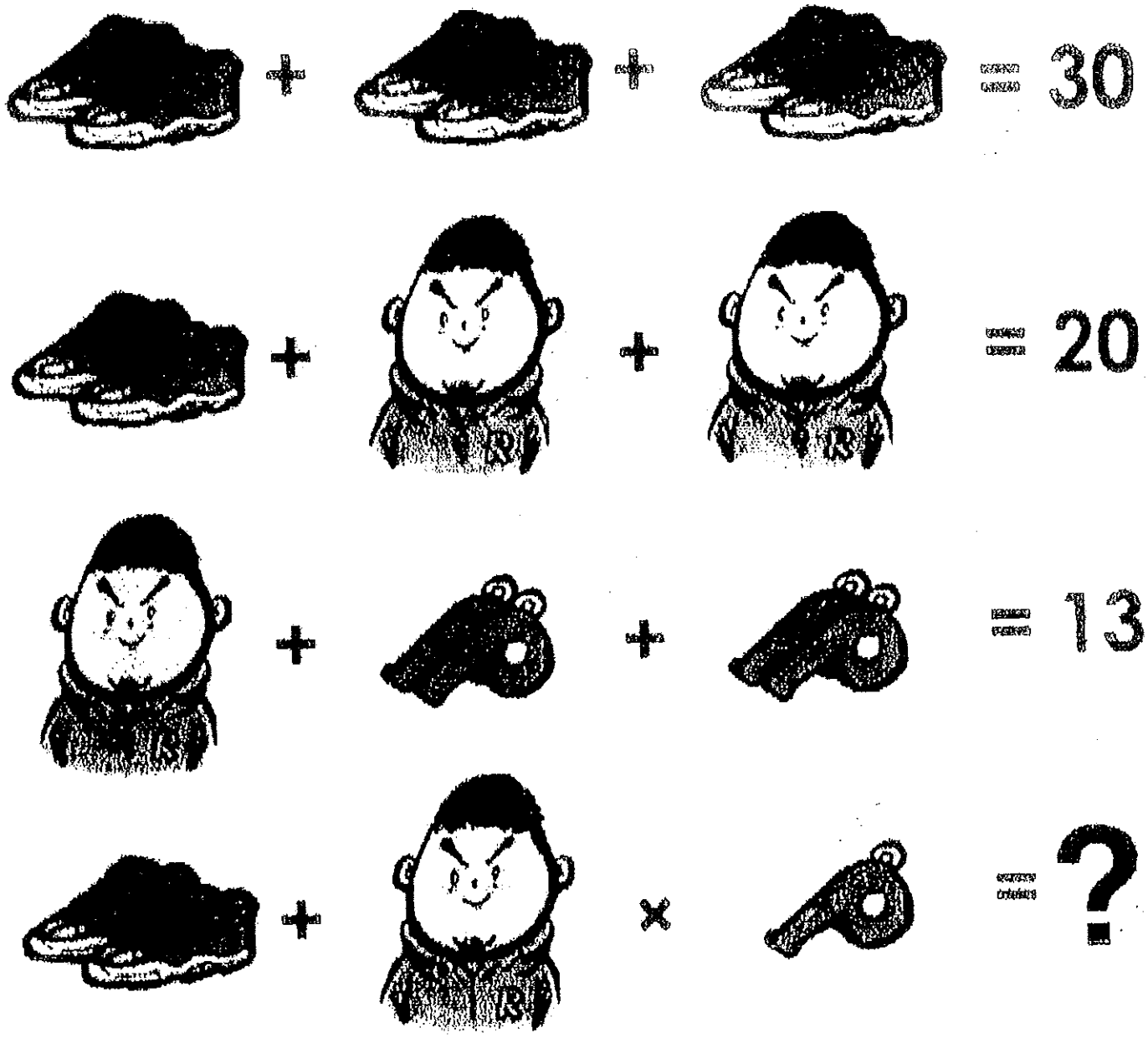
[4] If the 44th term of an Arithmetic Sequence is .36 and the common difference is .159. What is the first term of the sequence?

[5] Find the 83rd term of the following sequence.

$.43, \frac{87}{5}, 34.37, \frac{2567}{50}, \ldots\ldots\ldots$

6

CAN YOU SOLVE THIS PUZZLE?



ACT. #44 (CONT.)

7. Find the 1st term of the sequence
___, ___, 7, ___, ___, ___, ___, 32.

8. There are 5 rows of seats on a concert hall: 13 seats are in the 1st row, 15 seats on the 2nd row, 17 seats on the 3rd row and so on. If the price per ticket is $32, how much will be the total sales for one night if all seats are filled?

9. Find the next 2 terms of the sequence below:
2, 4, 8, 16, ...

10. Find the 19th term for the sequence below:
___, ___, ____, .25, ___, ____, ____, 29/20

11. Find the 3 arithmetic means between the numbers 1/5 and −1.48.