

Chapter 6 Puzzle

Pushups

Canadian athlete Doug Prudent took a pushup challenge.
How many pushups on fists did he do in just over 18 min?

To find out, answer each question in the space provided.
Then, in the array below, cross out any number that is in your answers.
The remaining number is the number of Doug's pushups.

1. The slope of the line through A(1, 6) and B(0, 2): _____
2. The slope of a line parallel to the line $6x - y - 2 = 0$: _____
3. The x-intercept of the line $y = 2x - 4$: _____
4. The slope of a line perpendicular to the line through A(-2, 4) and B(-8, 6): _____
5. The y-intercept of the line $x - 2y + 10 = 0$: _____
6. The graph of $y + 2 = -\frac{2}{3}(x - 8)$ passes through P(a, -2). The value of a is: _____
7. The y-intercept of the line through A(1, 5) and B(2, 3): _____
8. The y-intercept of the line $x - 2y + 18 = 0$: _____

3	4	6	9	2
2	8	5	7	3
9	5	6	9	5
4	3	2	4	7
7	1	0	0	0

Answer: _____ pushups