

1. D
2. B
3. E
4. C
5. D
6. D
7. 145
8. 6 years
9. First, determine how many boxes there are: $300 \div 1\frac{2}{3} = 300 \div \frac{5}{3} = 300 \times \frac{3}{5} = 180$ boxes. Now find out how much money you get: $180 \times \$1.50 = \boxed{\$270}$.
10. Draw a Venn Diagram to help understand the problem. If there are 17 students who took both physics and calculus, then there are $60 - 17 = 43$ who took just physics, and $30 - 17 = 13$ who took just calculus. So there are $43 + 17 + 13 = 73$ students who took physics, calculus, or both. Then there are $100 - 73 = \boxed{27}$ students who took neither.

