

Consecutive Numbers

Consecutive integers  $(n), (n + 1), (n + 2) \dots$

Consecutive EVEN or ODD integers  $(n), (n + 2), (n + 4) \dots$

1. What is the smallest of 3 consecutive positive integers if the product of the smaller two integers is 5 less than 5 times the largest integer? (NON CALC)

2. What is the largest of 3 consecutive even integers if the sum of the integers is 162?

- a. 52
- b. 54
- c. 56
- d. 58

3. What is the smallest of two consecutive positive even integers whose product is 224?

- a. 12
- b. 14
- c. 16
- d. 18

4. Find two consecutive <sup>odd</sup> ~~even~~ integers such that seven times the first equals five times the second.

5. Alex walked 1 mile in 15 minutes. Sally walked 3,520 yards in 24 minutes. In miles per hour, how much faster did Sally walk than Alex? (Note: 1 mile = 1760 yards) (NON CALC)

6. Convert 43 miles into feet.

7. Katie ran 3 miles in 30 minutes. What was Katie's average speed in feet per second?

8. Jim throws a ball at a speed of 2 feet per second. How fast is the ball moving in yards per hour?

- a. 40 yards per hour
- b. 1200 yards per hour
- c. 2400 yards per hour
- d. 5400 yards per hour