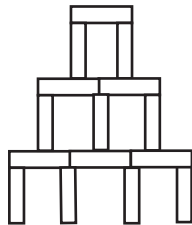


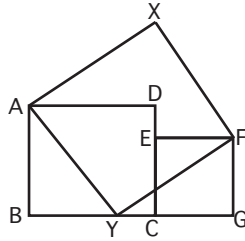
Practice Pascal Number 1

1. What is half of 399?
a) $194\frac{1}{2}$ b) 195 c) $195\frac{1}{2}$ d) 199 e) $199\frac{1}{2}$
2. Larry spent $\frac{3}{4}$ of the money in his wallet and then lost $\frac{3}{4}$ of the remainder, leaving him with only \$9. How many dollars did he start with?
a) 36 b) 64 c) 96 d) 128 e) 144
3. Ninety six is $\frac{3}{4}$ of what number?
a) 72 b) 24 c) 144 d) 128 e) 80
4. The area of the triangle with vertices $(3, 2)$, $(3, 8)$, and (x, y) is 24. A possible value for x is:
a) 7 b) 9 c) 11 d) 13 e) 15
5. Find the largest 3 digit integer that can be found in the sequence 4, 11, 18, 25, 32,
a) 995 b) 996 c) 997 d) 998 e) 999
6. Two fields are planted with tomatoes and corn. Tomatoes occupy 65% of the area of the first field, 45% of the area of the second field, and 53% of the total area of the 2 fields. What percentage of the total area is the first field?
a) 25 b) 40 c) 60 d) 75 e) 80
7. A king hires a crew of 30 workers , who can build a castle wall in 60 days. However 10 days after the wall was started, it is decided that the wall must be finished in a total of 40 days. How many additional workers must be hired?
a) 20 b) 24 c) 30 d) 24 e) 50
8. Each of the integers 1,2,3 and 4 is represented by one of the letters A, B, D and M , not necessarily in that order. Determine the largest possible sum of the 3 three digit numbers BAD , DAM and MAD .
a) 728 b) 800 c) 870 d) 939 e) 941
9. Dean is building a tower with blocks as shown in the diagram. The tower shown has three stories and uses 15 blocks. How many blocks are required for a tower of 80 stories?



- a) 400 b) 6399 c) 6496 d) 6560 e) 6723

10. As shown in the diagram two adjacent squares $ABCD$ and $CEFG$ are drawn so that E is on DC and G is on the extension of BC . A third square $AYFX$ is drawn with Y on BC . If the area of $ABCD$ is 60 and the area of $CEFG$ is 40 , what is the area of $AYFX$?



- a) 80 b) 90 c) 100 d) 120 e) $100 + 40\sqrt{6}$