

Unit 9: Putting It All Together

ADVANCED

Name: _____ Date: _____

Solve each problem. Show your work on scratch paper and write the exact final answer on the line provided.

1. A factory made 3,248 pencils each day for 6 days, then packed them into boxes of 24. How many full boxes of 24 pencils can they pack?

Answer: _____

2. A tank held $12\frac{3}{4}$ liters of water. $4\frac{5}{8}$ liters were used, then $2\frac{1}{2}$ liters were added. How many liters are in the tank now? Give your answer as a mixed number in lowest terms.

Answer: _____

3. Add these three decimals: $6.7 + 0.45 + 12.08$. What is the sum?

Answer: _____

4. A rectangle has length 27 cm and width 14 cm. What is its perimeter in centimeters?

Answer: _____

5. What is the area, in square centimeters, of a rectangle that is 36 cm long and 15 cm wide?

Answer: _____

6. Find the value of $7,308 \div 12$. What is the exact quotient?

Answer: _____

7. Order these fractions and find the largest: $\frac{5}{8}$, $\frac{2}{3}$, $\frac{7}{12}$, $\frac{3}{4}$. Write the largest one.

Answer: _____

8. A ribbon is 4.5 meters long. It is cut into pieces that are each 0.75 meter long. How many pieces are there?

Answer: _____

9. An angle measures 137° . It is split into two angles. If one part is 68° , how many degrees is the other part?

Answer: _____

10. Multiply the mixed number by a whole number: $3\frac{4}{5} \times 6$. Give your answer as a mixed number in lowest terms.

Answer: _____

11. A book has 5,184 words split evenly across 16 pages. Then 3 more pages with 220 words each are added. How many words are in the book in total?

Answer: _____