

Unit 8: Putting It All Together

ADVANCED · SET 4

Name: _____

Date: _____

Solve each problem. Show your working on scrap paper and write only the final answer in the box.

1. A juice stall gets 8 crates of bottles. Each crate holds 9 bottles. The stall repacks all the bottles into boxes that hold 6 bottles each. How many boxes do they fill?

Answer: _____

3. Nina has 36 stickers. She gives away $\frac{5}{9}$ of them. Half of the stickers she has left are shiny. How many shiny stickers does she have?

Answer: _____

5. A craft shop has 125 beads. The beads are put into bags of 8. The shop fills as many full bags as it can. How many beads are left over?

Answer: _____

7. A square sandbox has a perimeter of 36 m. What is the area of the sandbox, in square metres?

Answer: _____

9. Concert tickets cost \$8 each. A class sold tickets and collected \$184 in total. How many tickets did the class sell?

Answer: _____

2. A banner is 7 m long and 4 m wide. A second banner has the SAME area but is only 2 m wide. What is the perimeter of the second banner, in metres?

Answer: _____

4. A rectangular garden is 9 m long and 6 m wide. A square pond with sides of 3 m sits inside it. The rest of the garden is grass. How many square metres of grass are there?

Answer: _____

6. A school has 4 halls. Each hall has 6 rows of chairs, and each row has 7 chairs. How many chairs are there altogether?

Answer: _____

8. Five friends share 3 chocolate bars equally. What fraction of a chocolate bar does each friend get?

Answer: _____

10. A floor is covered with square tiles: 12 tiles across and 8 tiles down. Tiles are sold in boxes of 10. How many boxes are needed to cover the whole floor?

Answer: _____

11. Rectangle A is 10 cm long and 2 cm wide. Rectangle B has the same perimeter as Rectangle A, and Rectangle B is 5 cm wide. How many square centimetres larger is the area of Rectangle B than the area of Rectangle A?

Answer: _____

12. A rope is 40 cm long. Kai cuts off $\frac{3}{8}$ of the rope. He cuts the leftover piece into 5 equal parts. How long is each part, in centimetres?

Answer: _____