

Unit 6: Geometry, Time, and Money

ADVANCED

Name: _____ Date: _____

Solve each problem and write your exact answer on the line. Show your work on scratch paper; give money answers in cents unless told otherwise.

1. A pentagon, a hexagon, and an octagon are drawn in a row. How many sides do they have in ALL together?

Answer: _____

2. A rectangle is split into 4 equal shares. Maya colors 3 of the shares. What fraction of the whole rectangle is colored? Write it like $\frac{3}{4}$.

Answer: _____

3. A clock shows 2:45. What time will it be 40 minutes later? Write the time like 3:15.

Answer: _____

4. Count this money: 3 quarters, 4 dimes, 2 nickels, and 3 pennies. How many cents is it in all?

Answer: _____

5. A rectangle is first split into 3 equal strips. Then each strip is split into 2 equal parts. How many equal parts are there now in all?

Answer: _____

6. A soccer practice starts at 11:50 AM and ends at 1:15 PM. How many minutes long is the practice?

Answer: _____

7. What is the FEWEST number of coins (quarters, dimes, nickels, pennies) you need to make exactly 67 cents?

Answer: _____

8. Sam has \$2.00. He buys 3 stickers that cost 45 cents, 30 cents, and 55 cents. How many cents of change does he get back?

Answer: _____

9. One shape has 6 sides and another shape has 3 sides. Find the difference between the number of sides, then multiply that difference by 2. What is the result?

Answer: _____

10. It is quarter to 9 in the morning (8:45). What time will it be 50 minutes later? Write the time like 9:15.

Answer: _____

11. Lily has 5 dimes, 7 nickels, and 12 pennies. How many MORE cents does she need to have exactly one dollar (100 cents)?

Answer: _____

12. A square, a triangle, and a hexagon are drawn. Add up all their sides, then add all their corners (vertices) too. A square has 4 corners, a triangle 3 corners, and a hexagon 6 corners. What is the total of all sides plus all corners?

Answer: _____