7th Grade Percent Problems: Tax, Tip and Discount

Common Core 7.RP.A.3 Time: 30 min Total: 21 marks Two-sided: questions continue on the back

G7PCT1

NAME or INITIALS (BLOCK CAPITALS, one letter per box)

ANSWER KEY — not for students, do not scan

ANSWERS — write each final answer in its box. Only these boxes are marked.

1	9	2	20	3	30
4	6.48	5	53	6	15
7	12	8	80	9	100.8
10	3700				

1 Find 15% of 60. **1 mark**

9

answer in box 1 on the front

2 Find 8% of 250. **1 mark**

20

answer in box 2 on the front

3 A shirt costs $40 and is on sale for 25% off. What is the sale price, in dollars? **2 marks**

30

answer in box 3 on the front

4 A meal costs $36. You leave an 18% tip. How much is the tip, in dollars? **2 marks**

6.48

answer in box 4 on the front

Questions continue on the back. Only the answer boxes above are marked.

5 **2 marks**

A video game costs $50 plus 6% sales tax. What is the total cost, in dollars?

53

answer in box 5 on the front

6 **2 marks**

A price rises from $80 to $92. What is the percent increase?

15

answer in box 6 on the front

7 **2 marks**

A town's population falls from 2,500 to 2,200. What is the percent decrease?

12

answer in box 7 on the front

8 **3 marks**

A jacket is on sale for 30% off. The sale price is $56. What was the original price, in dollars?

80

answer in box 8 on the front

9 **3 marks**

A $120 bike is discounted 20%. Then 5% sales tax is added to the sale price. What is the final cost, in dollars?

100.8

answer in box 9 on the front

10 **3 marks**

A salesperson earns 5% commission on her sales. Last week she earned $185 in commission. What were her total sales, in dollars?

3700

answer in box 10 on the front