

Name \_\_\_\_\_

Date \_\_\_\_\_



## PERCENTAGE INCREASE, DECREASE & CHANGE SHEET 2

Find the final amounts and percentage change.

Give your answers to 1 decimal place (or the nearest cent) where appropriate.

Working out

1) Increase \$350 by 12%

Answer: \_\_\_\_\_

2) Decrease \$1700 by 38%

Answer: \_\_\_\_\_

3) Original amount: \$460

Final amount: \$335

Percentage change: \_\_\_\_\_

4) Decrease 150 minutes by 32%

Answer: \_\_\_\_\_

5) Original amount: 52 cm

Final amount: 47 cm

Percentage change: \_\_\_\_\_

6) Increase 124 inches by 42%

Answer: \_\_\_\_\_

7) Decrease 30 ounces by 17%

Answer: \_\_\_\_\_

8) Original amount: \$1950

Final amount: \$1675

Percentage change: \_\_\_\_\_

9) Original amount: 152 seconds

Final amount: 161 seconds

Percentage change: \_\_\_\_\_

10) Decrease 158 cm by 62%

Answer: \_\_\_\_\_

11) Increase \$14,200 by 57%

Answer: \_\_\_\_\_

12) Original amount: 9.82 seconds

Final amount: 11.67 seconds

Percentage change: \_\_\_\_\_

Name

Date



## PERCENTAGE INCREASE, DECREASE & CHANGE SHEET 2 ANSWERS

Find the final amounts and percentage change.

Give your answers to 1 decimal place (or the nearest cent) where appropriate.

		Working out
1)	Increase \$350 by 12%	$12\% \text{ of } 350 = 42$ $350 + 42 = 392$
	Answer: <u>\$392</u>	
2)	Decrease \$1700 by 38%	$38\% \text{ of } 1700 = 646$ $1700 - 646 = 1054$
	Answer: <u>\$1054</u>	
3)	Original amount: \$460 Final amount: \$335	$335 - 460 = -125$ $-125 \div 460 = -0.2717\dots$ $-0.2717 \times 100 = -27.17$
	Percentage change: <u>-27.2%</u>	
4)	Decrease 150 minutes by 32%	$32\% \text{ of } 150 = 48$ $150 - 48 = 102$
	Answer: <u>102 minutes</u>	
5)	Original amount: 52 cm Final amount: 47 cm	$47 - 52 = -5$ $-5 \div 52 = -0.0961\dots$ $-0.0961 \times 100 = -9.61$
	Percentage change: <u>-9.6%</u>	
6)	Increase 124 inches by 42%	$42\% \text{ of } 124 = 52.08$ $124 + 52.08 = 176.08$
	Answer: <u>176.1 inches</u>	
7)	Decrease 30 ounces by 17%	$17\% \text{ of } 30 = 5.1$ $30 - 5.1 = 24.9$
	Answer: <u>24.9 ounces</u>	
8)	Original amount: \$1950 Final amount: \$1675	$1675 - 1950 = -275$ $-275 \div 1950 = -0.1410\dots$ $-0.1410 \times 100 = -14.10$
	Percentage change: <u>-14.1%</u>	
9)	Original amount: 152 seconds Final amount: 161 seconds	$161 - 152 = 9$ $9 \div 152 = 0.0592\dots$ $0.0592 \times 100 = 5.92$
	Percentage change: <u>5.9%</u>	
10)	Decrease 158 cm by 62%	$62\% \text{ of } 158 = 97.96$ $158 - 97.96 = 60.04$
	Answer: <u>60.0 cm</u>	
11)	Increase \$14,200 by 57%	$57\% \text{ of } 14200 = 8094$ $14200 + 8094 = 22294$
	Answer: <u>\$22,294</u>	
12)	Original amount: 9.82 seconds Final amount: 11.67 seconds	$11.67 - 9.82 = 1.85$ $1.85 \div 9.82 = 0.1883\dots$ $0.1883 \times 100 = 18.83$
	Percentage change: <u>18.8%</u>	