

Name \_\_\_\_\_

Date \_\_\_\_\_



## PERCENTAGE INCREASE, DECREASE & CHANGE SHEET 1 UK VERSION

Find the final amounts and percentage change.

Working out

1) Increase £250 by 50%

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

2) Decrease £700 by 20%

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

3) Original amount: £320

Final amount: £208

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

4) Decrease 150 minutes by 30%

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

5) Original amount: 30 cm

Final amount: 24 cm

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

6) Increase 12 kg by 150%

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

7) Decrease 36 metres by 25%

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

8) Original amount: £1600

Final amount: £1152

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

9) Original amount: 140 seconds

Final amount: 203 seconds

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

10) Decrease 50 pints by 15%

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

11) Increase £4,650 by 70%

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

12) Original amount: 10.5 seconds

Final amount: 12.6 seconds

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

Name

Date



## PERCENTAGE INCREASE, DECREASE & CHANGE SHEET 1 ANSWERS UK VERSION

Find the final amounts and percentage change.

		Working out
1)	Increase £250 by 50%	$50\% \text{ of } 250 = 125$ $250 + 125 = 375$ Answer: <u>£375</u>
2)	Decrease £700 by 20%	$20\% \text{ of } £700 = £140$ $£700 - £140 = £560$ Answer: <u>£560</u>
3)	Original amount: £320 Final amount: £208	$208 - 320 = -112$ $-112 \div 320 = -0.35$ $-0.35 \times 100 = -35$ Percentage change: <u>-35%</u>
4)	Decrease 150 minutes by 30%	$30\% \text{ of } 150 = 45$ $150 - 45 = 105$ Answer: <u>105 minutes</u>
5)	Original amount: 30 cm Final amount: 24 cm	$24 - 30 = -6$ $-6 \div 30 = -0.2$ $-0.2 \times 100 = -20$ Percentage change: <u>-20%</u>
6)	Increase 12 kg by 150%	$150\% \text{ of } 12 = 18$ $12 + 18 = 30$ Answer: <u>30 kg</u>
7)	Decrease 36 metres by 25%	$25\% \text{ of } 36 = 9$ $36 - 9 = 27$ Answer: <u>27 m</u>
8)	Original amount: £1600 Final amount: £1152	$1152 - 1600 = -448$ $-448 \div 1600 = -0.28$ $-0.28 \times 100 = -28$ Percentage change: <u>-28%</u>
9)	Original amount: 140 seconds Final amount: 203 seconds	$203 - 140 = 63$ $63 \div 140 = 0.45$ $0.45 \times 100 = 45$ Percentage change: <u>45%</u>
10)	Decrease 50 pints by 15%	$15\% \text{ of } 50 = 7.5$ $50 - 7.5 = 42.5$ Answer: <u>42.5 pints</u>
11)	Increase £4,650 by 70%	$70\% \text{ of } 4650 = 3255$ $4650 + 3255 = 7905$ Answer: <u>£7,905</u>
12)	Original amount: 10.5 seconds Final amount: 12.6 seconds	$12.6 - 10.5 = 2.1$ $2.1 \div 10.5 = 0.2$ $0.2 \times 100 = 20$ Percentage change: <u>20%</u>