

# **% Checkup**

## **Percentage of**

1. Find the following:

- a) 20% of 48
- b) 35% of 48
- c) 17.5% of 48
- d) 99.1% of 48

## **As a Percentage**

2. Calculate the following:

- a) 16 as a percentage of 64
- b) 14 as a percentage of 35
- c) 33 as a percentage of 300
- d) 5 as a percentage of 8

## **Percentage Increase & Decrease**

3. Find the following:

- a) Increase 30 by 10%
- b) Increase 52 by 45%
- c) Increase 70 by 17.5%
- d) Decrease 24 by 30%
- e) Decrease 108 by 5%
- f) Decrease 96 by 12.5%

## **Reverse Percentage**

4. Calculate the following:

- a) A number was increased by 10% to 44, find the original number
- b) A number was increased by 20% to 144, find the original number
- c) A number was increased by 5% to 31.5, find the original number
- d) A number was increased by 7.5% to 53.75, find the original number

## **Compound Interest**

5. Find the following

- a) £100 was invested at an interest rate of 10% per year for 2 years. Find the total amount after 2 years and the interest earned.
- b) £200 was invested at an interest rate of 5% per year for 2 years. Find the total amount after 2 years and the interest earned.
- c) £1000 was invested at an interest rate of 4% per year for 3 years. Find the total amount after 3 years and the interest earned.

## % Checkup - Answers

### Percentage of

1. Find the following:

- |              |      |                |        |
|--------------|------|----------------|--------|
| a) 20% of 48 | 9.6  | c) 17.5% of 48 | 8.4    |
| b) 35% of 48 | 16.8 | d) 99.1% of 48 | 47.568 |

### As a Percentage

2. Calculate the following:

- |                             |     |                              |       |
|-----------------------------|-----|------------------------------|-------|
| a) 16 as a percentage of 64 | 25% | c) 33 as a percentage of 300 | 11%   |
| b) 14 as a percentage of 35 | 40% | d) 5 as a percentage of 8    | 62.5% |

### Percentage Increase & Decrease

3. Find the following:

- |                         |       |                         |       |
|-------------------------|-------|-------------------------|-------|
| a) Increase 30 by 10%   | 33    | d) Decrease 24 by 30%   | 16.8  |
| b) Increase 52 by 45%   | 75.4  | e) Decrease 108 by 5%   | 102.6 |
| c) Increase 70 by 17.5% | 82.25 | f) Decrease 96 by 12.5% | 84    |

### Reverse Percentage

4. Calculate the following:

- |  |     |
|--|-----|
| a) A number was increased by 10% to 44, find the original number     | 40  |
| b) A number was increased by 20% to 144, find the original number    | 120 |
| c) A number was increased by 5% to 31.5, find the original number    | 30  |
| d) A number was increased by 7.5% to 53.75, find the original number | 50  |

### Compound Interest

5. Find the following

- |  |                   |
|--|-------------------|
| a) £100 was invested at an interest rate of 10% per year for 2 years. Find the total amount after 2 years and the interest earned. | £121, £21         |
| b) £200 was invested at an interest rate of 5% per year for 2 years. Find the total amount after 2 years and the interest earned.  | £220.50, £20.50   |
| c) £1000 was invested at an interest rate of 4% per year for 3 years. Find the total amount after 3 years and the interest earned. | £1124.86, £124.86 |