Name: _____

ASM Tuition Academy

Reverse Percentages

Instructions:

- Use **black** ink or ball-point pen.
- Answer all questions.
- Answer the questions in the spaces provided
  - there may be more space than you need.
- Diagrams are **NOT** accurately drawn, unless otherwise indicated.
- You must **show all you're working out.**

Information:

- The marks for each question are shown in brackets
  - use this as a guide as to how much time to spend on each question.

Advice:

- Read each question carefully before you start to answer it.
- Keep an eye on time.
- Try to answer every question.
- Check your answers if you have time at the end.

1. **The value of a building increased by 8%.**
   The building then had a value of £345000
   Work out the value of the building before the increase.

(Total for question 1 is 2 marks)

2. **In a sale, the normal price of a bag is reduced by 15%**
   The sale price of a bag is £3.60
   Work out the normal price of a bag.

(Total for question 2 is 2 marks)

3. The value of a liter of diesel increased by 5%.
A liter of diesel then cost £1.12.
Work out the price of a liter of diesel before the increase.

(Total for question 3 is 2 marks)

4. In a sale, normal prices are reduced by 20%.
The normal price of a shirt is reduced by £14
Work out the normal price of the shirt.

(Total for question 4 is 2 marks)

5. In a sale, the normal price of an oven is reduced by 18%.
The sale price of the oven is £740.
Work out the normal price of the oven.

(Total for question 5 is 2 marks)

6. The cost of a seminar tax bill increased by 5%.
The seminar tax bill increased by £53.
Work out the cost of the seminar tax bill before the increase.

(Total for question 6 is 2 marks)

7. The price of a Korean season ticket increased by 4%.
The price of the ticket increased by £172.20
Work out the price of the Korean ticket before the increase.

(Total for question 7 is 2 marks)

8. In a sale, the normal price of a motor bike is reduced by 40%.
The sale of the bike is £7200
Work out the normal price of the motor bike.

(Total for question 8 is 2 marks)

9. In a sale, normal prices are reduced by 25%
The normal price of a shoes is reduced by £14.5
Work out the normal price of the shoes.

(Total for question 9 is 2 marks)