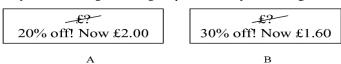# Reverse percentage worksheet

1. In each of the following, find the *original* amount:

   a. A sum of money decreased by 10% to £16
   b. Temperature decreased by 15% to 50°C
   c. Liquid amount increased by 20% to 500ml
   d. Length increased by 6% to 1.5m

2. A jacket is reduced by 12% to £65 in a sale. Find the original price

3. Bill's shares fall in value by 4% to £5200. What was their original value?

4. A baby's weight increases by 8% over a month from birth to 4kg, what was the weight at birth?

5. A town's population increases by 64% to 132000 people. What was the original population?

6. Joe reduces his personal best in the 100m by 25% to 12.4 seconds. What was his original personal best?

7. The air pressure increases by 1.2% to 1030 mbar. What was the original air pressure?

8. A dress in a sale is reduced to £75 by 7%. What is the original price?

9. Which product has the greatest original price? Show your working

£?	£?
20% off! Now £2.00	30% off! Now £1.60
A	B

10. The area of a square is increased by 6% to 80cm^2. What was the original length of the sides?

11. The amount of liquid in a cup of water decreases by 5.2% to 0.352 litres by evaporation. What was the original volume?

12. On average, Christmas tree sales increase by 98% in December to 1500 trees sold, compared to November, for a small shop. How many trees do they sell in November?