



Percentages worksheet – percentage change

1. A baby weighs 3.2kg at birth and weighs 4.5kg six months later. Find the percentage increase in weight
2. A car is £10000 new and is valued at £8500 after 1 year, find the percentage decrease in price
3. Bill has shares valued at £3200, and the value increase by £8.27, find the percentage increase in value of the shares
4. A jug of water contains 1.057 litres of liquid, 2 days later, the jug contains 987ml of liquid. Find the percentage change in the liquid
5. John has a piece of wood 1m long and saws off 15cm. Find the percentage change in the length of the wood
6. The air pressure is 1012 mbar on Tuesday and changes to 1032mbar on Wednesday. Find the percentage increase in air pressure
7. John buys 14 ceramic statues for £10 each and sells them for £15.50 each. Find his percentage profit on selling the statues
8. The area of a puddle of dripping water is 24cm^2 , 1 hour later the area is 54cm^2 . Find the percentage increase in area
9. Janice buys 50 Christmas trees for £8 each, and sells half of them for £10 and the others she can only sell for £5 each. Find her percentage profit or loss
10. The cost of fuel rises by 2p from 84.9p per litre. Find the percentage increase in price
11. Derek and Rodney buy 15 video recorders for £40 and sell them for £65 each. However Derek has a bet with Denzil and loses £100 from the profits. Find Derek and Rodney's overall percentage profit
12. The area of a square is 81cm^2 . The lengths of the sides are increased by 0.6cm each. Find the percentage increase in the area of the square
13. *HARDER*. The radius of a circle is 10cm. If the radius increases to 20cm, find the percentage increase in the area of the circle
14. 2.3 is multiplied by 7 and divided by 9. Find the percentage change

