Percentages

1. A student pays an aeroplane fare of £240.
   If this represents 60% of the adult fare, find the adult fare.

2. In a maths examination Michael scored 75% of what Brian scored. If
   Michael scored 66 marks, what did Brian score?

3. A classical concert is attended by 640 people on a Friday evening.
   That evening 80% of the tickets had been sold. How many people can
   the venue hold when full?

4. Amanda and Roomila decide to see who can cycle further in an hour.
   Amanda covers 6.3 kilometres which is 70% of the distance covered by
   Roomila. How far did Roomila cycle?

5. The cost of a season ticket for Hillside Town is £273 for a child. If this
   represents 65% of the cost of an adult ticket, find the cost of an adult
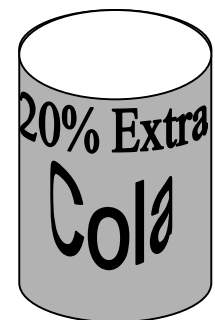   season ticket.

6. Neil and Jim are both teachers. Neil earns £32400 per annum. This is 90% of
   what Jim earns. How much does Jim earn per annum?

7. Between the years 2009 and 2010 a stereo system increased in value
   by 30%. If the stereo cost £650 in 2010 what was its value in 2009?

8. A can of cola contains 396 millilitres. This is 20% more than a
   normal sized can.
   How much does a normal can of cola hold?

9. The price of a car has increased in value by 40%. If the car is now
   valued at £10080 what was its previous value?

10. Vincent buys a painting at auction. He pays £1449 in total for the painting. This price includes auction commission of 15%. How much was the price of the painting before the commission was added?

11. The average cost of a computer has fallen in price by 65% since 1999. If the average cost is now £560, find the average cost in 1999.

12. David takes his family out for a meal. The total bill for the meal is £71.50. This cost includes a service charge of 10%. What was the cost of the meal before the service charge was added?

13. A bottle of perfume contains 230 millilitres. This is 15% more than a normal bottle. How much does a normal bottle hold?

14. In a sale, all MP4 players are reduced in price by 25%. The MP4 player shown opposite now costs £135. What was the original price of the MP4 player?

15. Elaine receives a letter from her insurance company saying her car insurance premium for the year 2012 is £648. This is an increase of 35% on last years insurance. How much did Elaine pay to insure her car in the year 2011?

16. A pack of soap powder contains 3.75 kilograms.
This is 50% bigger than a normal size pack.

How much does a normal size pack hold?

17. Javaid books a holiday to Paris for himself and his two
children. The total cost of the holiday is £1323.
This cost includes a booking fee of 5%.

What is the cost of the holiday before the booking fee is added?

18. The roll of a school has fallen this year to 1190. This means the
roll is 15% less than it was last year.
What was the school roll last year?

19. In one area of England the number of badgers is estimated at 15 400.
This is a fall of 30% from last year. How many badgers were there
last year in this area?

20. Renco coffee are selling a jar of coffee with a special offer
of an extra 12.5%. The jar now contains 270 grams.
How much does the original jar contain?

**RENCO
Coffee**

12.5% extra

21. Kestles are selling a box of corn rings containing
an extra 40%. The box now contains 1050 grams
of corn rings.

How much did the box contain before the 40 % was
added?

40% Extra

**Kestles
Corn rings
1050 grams**