1. In a Hot Air Balloon Race, a balloon travelled 1,800 km from Germany to Greece in 60 hours. If a similar balloon travelled from Hobart to Cairns – a distance of 3,660 km -- at the same average speed, about how many days and hours would it take?
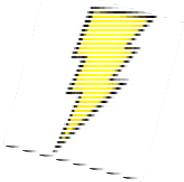
2. In last week's huge storm in South Australia, it is estimated that there were 80,000 lightning strikes. If they occurred over a period of 5 hours, what was the average number of lightning strikes per minute across SA?

3. The New South Wales town of Forbes is in flood, with the Lachlan River getting as deep as 10.65 metres in depth! Historically, the Lachlan River has flooded every 7 years since 1887. How many times has it flooded since then, if you include this year?

4. The Term 3 school holidays are different depending on where in Australia you go to school:
   ACT: 24 Sep – 9 Oct; NSW: 24 Sep – 9 Oct; NT: 1 Oct – 9 Oct; QLD: 17 Sep – 3 Oct; SA: 1 Oct – 15 Oct; TAS: 24 Sep – 9 Oct; VIC: 17 Sep – 2 Oct; WA: 24 Sep – 9 Oct.
   How many weeks and days do the holidays last in total, from start to finish?

5. The company that makes Sunny Boy ice blocks has announced they won't be making them any longer, due to falling sales. If they sold 525,000 Sunny Boys a year in 2006 and have sold 10% of that number each year, how many did they sell in 2010?

6. It's springtime, and many birds are building new nests. If a nest is made up of layers of twigs formed into the shape of a cube with side length 6 cm, and the nest has a hollow in the middle in shape of a rectangle 2 cm deep measuring 2 cm x 3 cm, find the volume of twigs, etc. that makes up the nest.

7. A toy car company is selling a "**Super 15-piece Sport Car Set**" for $34.95. At Jack's local toy shop, he can buy the same sports cars individually for $2.25 each. Which is the better deal, and by how much? Is price the only thing to think about? Why or why not?

8. <u>**Open-ended Question:**</u> Roberta buys a block of chocolate to share with her 7 friends. She wants to give each friend exactly 5 squares of chocolate. How many squares must the block have? (Don't forget to include 5 pieces for Roberta herself!) Give 3 possible answers.

Extension, Multiple Intelligences, Australian Primary School levels

ANSWERS – EdShop Worded Maths <u>Extension Worksheet</u> EW 37 16

1. 122 hours = 5 days 2 hours
2. 266.67 strikes per minute
3. 19 times
4. 28 days = 4 weeks
5. 315,000 Sunny Boys in 2010
6. 204 cm^3 by calculating (216 – 2 x 3 x 2)
7. Just $1.20 difference. But by buying the cars separately, more control over things like model of car, colour, etc.
8. Various answers

Extension,
Multiple Intelligences,
Australian Primary School levels