

# Maths Takeaway



## This month's special

### Holiday maths

#### Did you know ...

- Children in England and Wales have the shortest school summer holidays in the European Union.



<http://news.bbc.co.uk/1/hi/education/6288114.stm>

- The AA estimated that during the May bank holiday there would be at least 46,000 car breakdowns and more than 18 million motorists would take to the roads, amounting to a 33% increase in traffic in some areas of the country.
- In 2005 we made 66.4 million visits abroad, while overseas residents made 30 million visits to the UK.

[www.statistics.gov.uk](http://www.statistics.gov.uk)

## Starters

### Can you ...

- compare different holiday activities for children, when they are running, where, how long and how much they cost?
- budget for a holiday outing, including the cost of travel, entrance fees and refreshments?
- plan how long you need for your journey to check in at the right time at the airport or catch a train or bus?
- check prices in euros and work out a 10% tip?
- check the weight of your suitcase and the size of your hand luggage?

You can check out your maths skills further by doing the mini-test at:

[www.move-on.org.uk/testyourskills.asp](http://www.move-on.org.uk/testyourskills.asp)

You can join a free group to improve your maths and gain a national qualification. Ask at the library, your local college or learning centre, ring 0800 100 900 or look on the Move On web site to find a local test centre.

## Main course

Skin cancer is one of the most common cancers in the UK, with over 75,000 new cases registered each year. Most skin cancers are caused by damage from ultraviolet (UV) rays in sunlight and could be prevented if we protect ourselves from the sun.

The messages of the SunSmart campaign, run by Cancer Research UK and supported by the Department of Health, are:

- **S**tay in the shade 11 a.m. – 3 p.m.
- **M**ake sure you never burn
- **A**lways cover up with a t-shirt, wide brimmed hat and sunglasses
- **R**emember to take extra care with children
- **T**hen use factor 15+ sunscreen

<http://info.cancerresearchuk.org/healthyliving>

### Best buy?

You are looking for a wide spectrum sunscreen with an SPF of at least 15. Can you compare the cost of different size bottles? How much money would you save with 2 for 1 offers?



Working together

## Specials

There are lots of sites to support parents with ideas for the school holidays.

Tips from Parent Line Plus include: 'Give your kids a chance to get bored. How many times do you hear kids whining, "I'm bored"? It's okay for them to get bored! Give their imaginations a chance to come up with ideas to fill in those long hours.'

[www.parentlineplus.org.uk/index.php?id=299](http://www.parentlineplus.org.uk/index.php?id=299)

Find information about holiday play schemes near you at [www.direct.gov.uk/en/Parents/Familyleisureandrecreation/DG\\_10013564](http://www.direct.gov.uk/en/Parents/Familyleisureandrecreation/DG_10013564).

Or other ideas at [www.parentscentre.gov.uk/schoolholidays](http://www.parentscentre.gov.uk/schoolholidays).

### The Lemonade Stand game

A game for children – but others might enjoy it too!

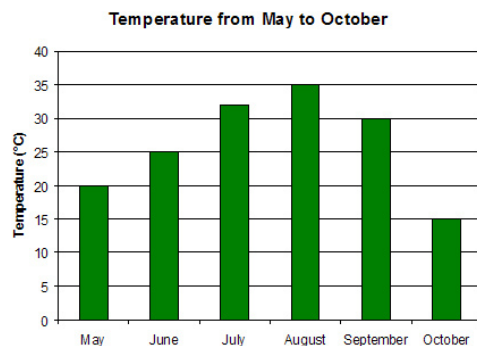
You have to make the most money you can from running a lemonade stall, choosing how much stock to buy and how much to sell your lemonade for. How well it sells depends upon the temperature and your customers' satisfaction.

[www.coolmath-games.com/lemonade](http://www.coolmath-games.com/lemonade)



## Set menu

### Test questions



- Which statement is **not** true?
  - The temperature was hottest in August.
  - The temperature was coldest in October.
  - June was hotter than May.
  - The temperature in September was the same as the temperature in July.

### 2 Admission prices

Adults	£5.50
Under 18s	£3.00
Under 3s	Free
Seniors	£3.00
Family ticket	£15.00

(Two adults and up to three children.)

Two families go together: three parents, two seniors, one baby and four children. Which is cheapest option?

- Buying individual tickets for everyone.
  - Buying two family tickets plus one senior.
  - Buying one family ticket for two adults and three children, and everyone else buys individual tickets.
- How much is the cheapest option?

## Extras

### Grin or groan?

- Q** What does a mermaid wear on her top?  
**A** An algae bra
- Q** What did the pig say at the beach on a hot summer's day?  
**A** I'm bacon!

### Resources for tutors

Resources are available to download from [www.move-on.org.uk](http://www.move-on.org.uk). Register on the site to access the Move Up Teacher Route at [www.move-on.org.uk/mu\\_route.asp](http://www.move-on.org.uk/mu_route.asp).

If the ideas on this page have encouraged you, or someone you work with, to try out some maths please let us know