

# Percentage in the Paper

## 1. Church seeks pastor for internet flock

Read the article to the right (The Weekend Australian, 6 March 2004) and answer the following questions:

### Church seeks pastor for internet flock

LONDON: The Church of England is seeking a "Web Pastor" to minister over the internet to busy believers.

"For people who travel a great deal or are unable to attend regularly, i-church can support them spiritually wherever they are in the world," the church says on its website.

In an advertisement in *Church Times*, the Diocese of Oxford says it is looking for "a dynamic, confident Christian who is able to build this new community, lead its core members and be available to visitors to the site."

The aim "is to provide a Christian community for

those who wish to explore Christian discipleship but who are not able, or do not wish, to join a local congregation".

The move comes at the same time as Church of England attendance has fallen to about 2 per cent on any Sunday in Britain.

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- What percentage does the article refer to?
- Explain in other words what the percentage means in this article.
- If a British town had a population of 10 000 people, about how many would you expect to find attending a Church of England on a typical Sunday?

## 2. ebb Big Summer Sale

Refer to the advertisement to the right (Stirling Times, March 2-8 2004) and answer the following questions:

- What percentages does the advertisement refer to?
- Explain what these percentages mean using common fractions. Make sure to simplify the fractions where appropriate.
- If a particular MANTA bodyboard usually costs \$280, how much will it cost during the Big Summer Sale?

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### 3. Electricity plan to fire up gas market

# Electricity plan to fire up gas market

**Nigel Wilson**  
• National energy writer

NEXT year holds promise of significantly improved market prospects for Queensland's growing number of gas producers and hopefuls.

From January the state plans to introduce Gas Electricity Certificates.

This a component of the state Government's scheme to require electricity retailers to source at least 13 per cent of their electricity sold in the state from gas-fired generation.

The Government argues the scheme will reduce the growth in greenhouse gas emissions, by encouraging greater use of gas in meeting future energy requirements.

Essentially, electricity generators will be able to create a tradeable certificate provided they use natural gas, coal-seam methane, waste mine gas or waste gases associated with petroleum refining.

Enabling legislation is expected to be introduced in state parliament in three to four months after a period of industry consultation.

Howard Brady, chief executive of Mosaic Oil, believes GECs will

provide a step-change in the gas market.

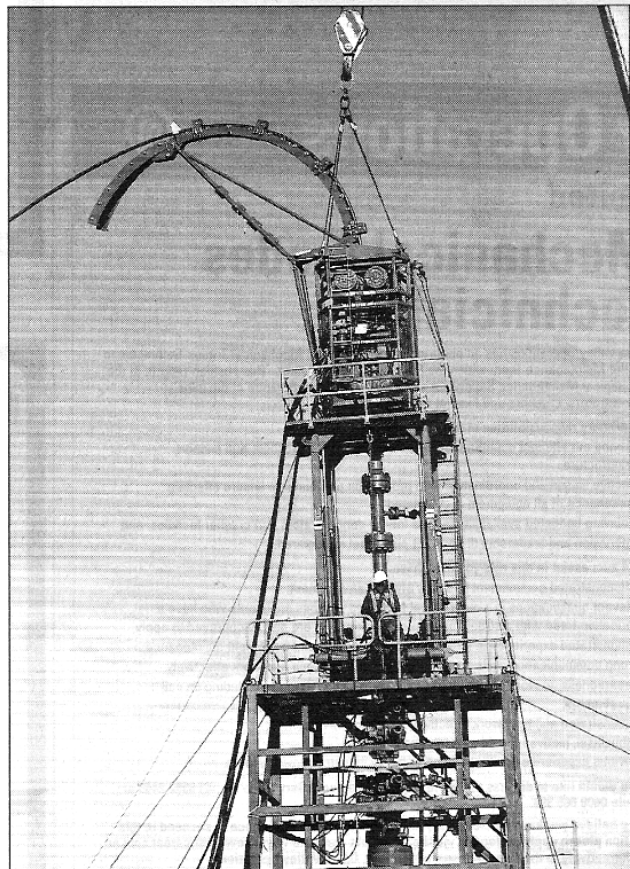
While CSM methane provides about 25 per cent of Queensland's gas, admittedly from a low base, there is a suspicion in the natural-gas industry that some CSM producers have been selling their product at almost loss-leader levels to the state's electricity generators, most of which are government-owned.

Dr Brady believes the introduction of GECs could lift the gas price by as much as \$1 a gigajoule, which would lead to commercial development of Mosaic's new reserves.

Mosaic, which has been successful in finding natural gas reservoirs in the Surat Basin by following new theories and employing innovative drilling technology, has now to reach the next step and find markets for its new gas.

The company, which bought out Bridge Oil's Queensland interests, that included some producing assets, now sees itself as potentially a substantial gas supplier to the eastern states gas market.

But that will require new infrastructure to link the gas fields to markets, possibly even a direct line to Newcastle.



**Tapping a market:** Mosaic's techniques have opened up profit potential

Read the article above (The Weekend Australian, 6 March 2004) and answer the following questions:

- The article refers to two different percentages. What are they?
- Explain in other words the percentages mentioned in the article, making it clear what they are percentages of.
- Express the two percentages as fractions. Be sure to simplify the fractions if necessary.
- If Queensland's electricity retailers all get the minimum percentage the Government wants them to from gas-fired generation, how much of Queensland's electricity comes from CSM methane?

### 4. Great Rate

Refer to the advertisement to the right (The Weekend Australian, 6 March 2004) and answer the questions below:

- What percentage does the advertisement refer to?
- Explain using other words what the percentage means.
- What does p.a. stand for?
- How much interest would you expect to earn in a year on a term deposit of \$25 000? (Assume you deposit it for three months, and then renew it three times to get a full year.)
- How much interest would you expect to earn from a similar deposit of \$25 000 if you withdrew the whole amount after three months?

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