

Text compression

Text compression algorithms replace messages with ones that use less space to store. One way is to swap words with numbers, then use the same number each time the word appears.

Compression puzzle SOLUTION

Mantras can repeat words like **Om** and **peace** lots of times!

To save space we have compressed this Hindu Peace mantra. Recover it from the compressed version. Replace numbers by what they stand for from the codebook, e.g., 8 by PEACE and 13 by 11 12. Then replace 11 and 12 using the codebook too.

The mantra:

14 14 12 10 13 8 13 4 13 2 11 7 15 15 15 8

Codebook:

1 = ALL	9 = THERE
2 = AUSPICIOUSNESS	10 = WELL-BEING
3 = BE	11 = 5 1
4 = FULFILMENT	12 = 6 9 3
5 = IN	13 = 11 12
6 = MAY	14 = 7 7 7
7 = OM	15 = 8 8 8
8 = PEACE	

The answer:

OM OM OM OM OM OM

MAY THERE BE WELL-BEING IN ALL
MAY THERE BE PEACE IN ALL
MAY THERE BE FULFILMENT IN ALL
MAY THERE BE AUSPICIOUSNESS
IN ALL

OM PEACE PEACE PEACE
PEACE PEACE PEACE
PEACE PEACE PEACE
PEACE

Tick the circle when you have attempted the puzzle and so practised the skill.

Skill:
Algorithmic
Thinking

HINT:
Attention to detail matters a lot. Take extra care or you will make mistakes.