

# PONDERING pine



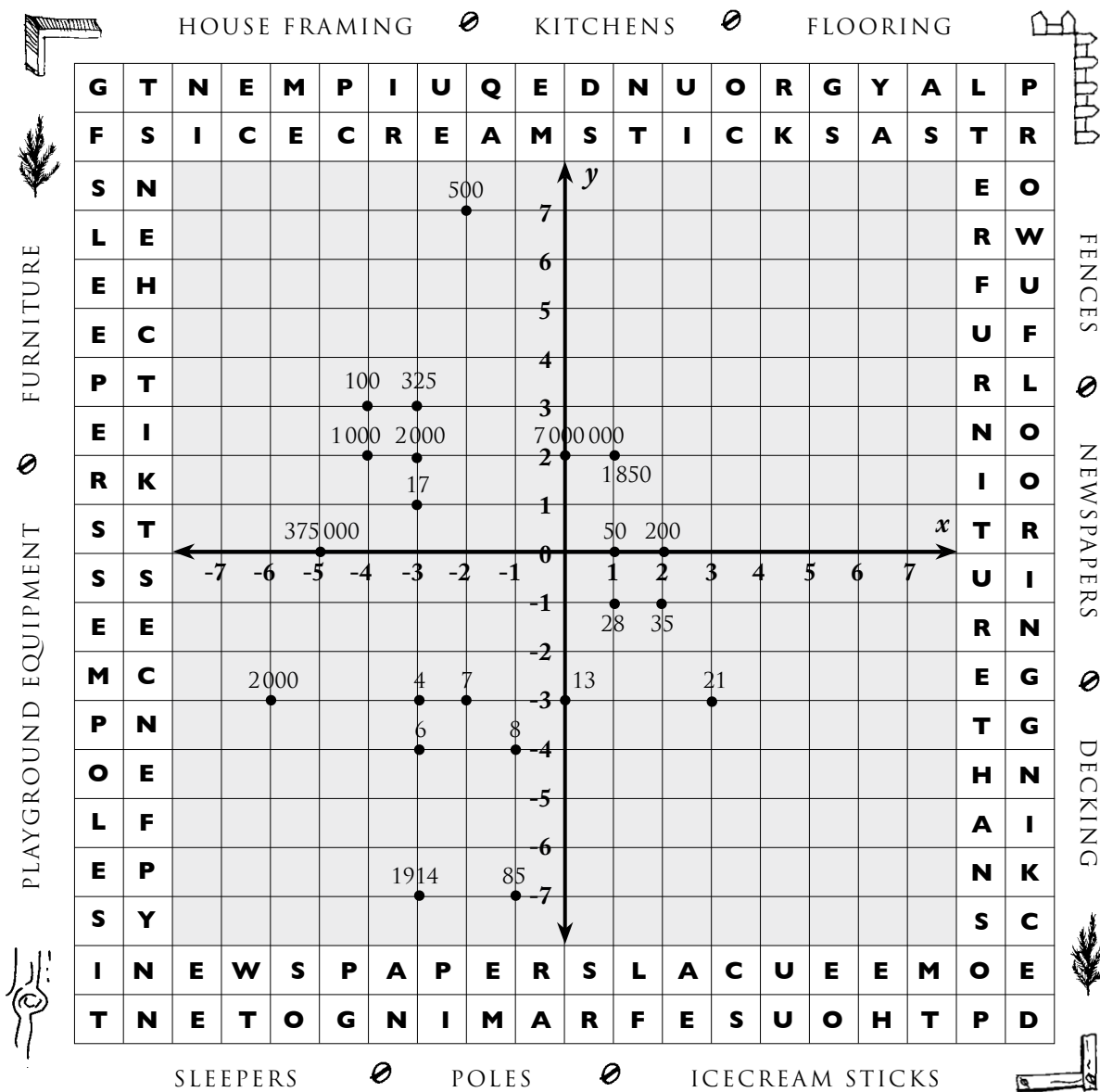
Next time you're enjoying a car trip around the beautiful New South Wales countryside see if you can spot a radiata pine tree or two or three million! They'll be easy to spot as thousands of pine trees are planted together in rows in plantations.

Radiata pine is grown in State forests in the cooler, higher areas around Tumut, Bombala, Bathurst and Walcha. Forests NSW is the biggest grower of radiata pine in Australia, selling enough timber to construct about a quarter of the houses built in Australia each year. Can you believe this happens right in our big NSW backyard?

## Find the facts

1. Use the coordinates and grid to find and fill in the amazing pine number facts, then
2. join each point, by drawing a line between them, in order from 1-20. Lastly plot coordinates 21 and 22 to reveal a picture.
3. Complete the find-a-word by circling some of the things pine is used for in the outer grid. Write the left over letters in the spaces provided to finish another amazing pine fact. Work clockwise, outside grid first.

Coordinates (x,y)	Radiata pine number facts	
1. (-2,7)	<u>500</u>	The number of rolls of hand towel one pine tree can produce
2. (-4,3)	---	The number of National Geographic magazines one pine tree can produce
3. (-3,3)	---	The number of paperback books one pine tree can produce
4. (-4,2)	----	The number of newspapers one pine tree can produce
5. (-3,2)	----	The number of rolls of toilet paper one pine tree can produce
6. (-5,0)	-----	The number of postage stamps one pine tree can produce
7. (-3,1)	--	The number of pine trees used in an average house frame
8. (-6,-3)	----	The number of pine seedlings one person can hand plant in a day
9. (-3,-3)	-	About how many football field sized areas one person can plant in a day
10. (-3,-4)	-	A great pine planting month
11. (-2,-3)	-	A great pine planting month
12. (-1,-4)	-	A great pine planting month
13. (0,-3)	-- years	The age when small trees are first removed (thinned) to allow stronger trees room to grow
14. (3,-3)	-- years	Second thinning
15. (1,-1)	-- years	Third thinning
16. (2,-1)	-- years	The age mature pine plantations are harvested (average height 35 metres)
17. (1,0)	-- centimetres	The width at chest height of a 35 year old pine tree
18. (2,0)	--- centimetres	The height of a pine seedling after two years of growth
19. (0,2)	-----	The number of pine seedlings grown at Forests NSW Tumut nursery each year
20. (1,2)	----	The year Radiata pine was introduced to Australia (from America) Joins (-2,7)
21. (-3,-7)	----	The date the first 'commercial' pine plantation was planted in NSW. Joins (-3,-4)
22. (-1,-7)	-- kilometres	The length of mountain bike trails in Bondi State Forest. Joins (-1,-4)



**Did you know?**

Radiata pine can -----  
 ----- or gum trees.



**Brain cracker**

Break the code by finding the correct number to represent each letter, and then fill in the jingle.

CODE

26			20				12	10			4	2	1			9	11	13			19	21	23		
a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q	r	s	t	u	v	w	x	y	z

JINGLE

19	18		9	18	4	23		3	1		5	10	1	18		18	26	22	12
	e											i							

20	26	23		13	3		4	10	17	18		4	18	26	9	1

26	1	20		5	4	26	23
				p			