

Decimal Dog's Bingo

The Maths Mates' Journey Home

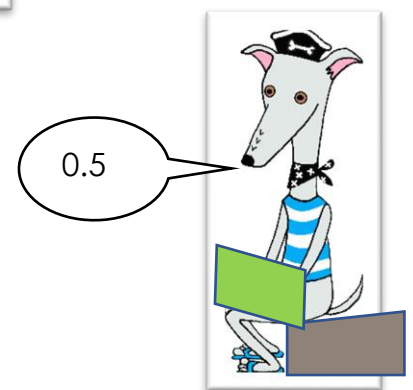
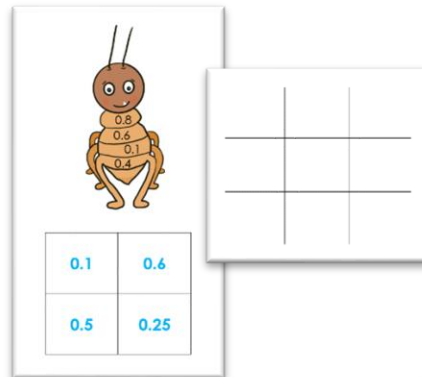
Mission accomplished! The oceans are clean, and the beaches are clear. The Maths Mates travel home with their ship mended and their recycled Fraction Monsters!



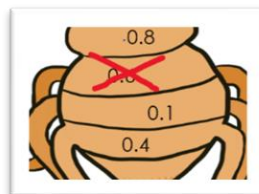
Decimal Dog's Bingo

Join in with the Maths Mates and play bingo with decimal numbers.

1. Decide who will be the bingo caller.
2. Decide on what the bingo caller will be calling, and what decimals players will put on their bingo boards – see page 3 for ideas.
3. Players can use one of the boards on the next page, or make up your own.
4. Bingo caller calls a number / question.



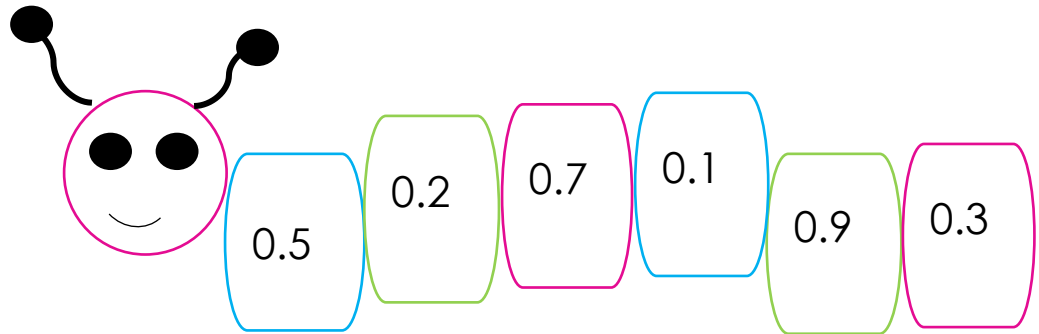
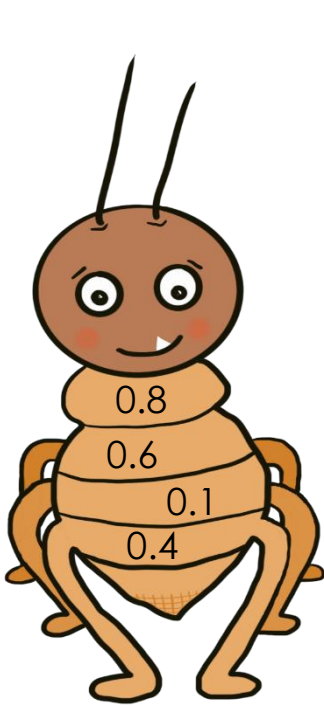
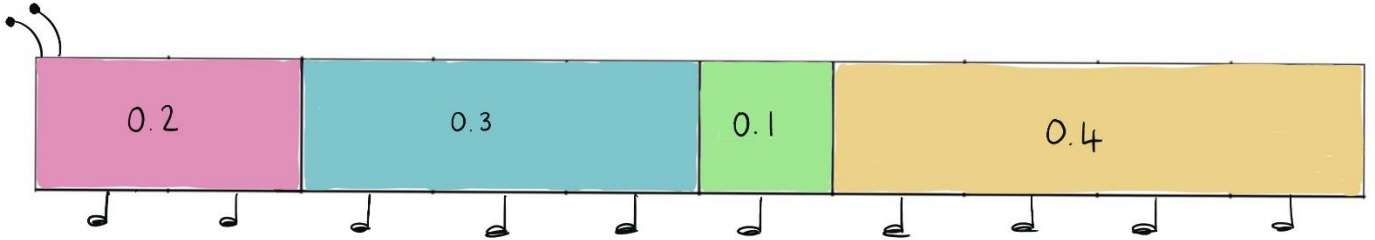
5. If you have the answer on your board, cross it off!



6. The first person to cross all their numbers off wins.

Don't forget to share your creations and comments on Twitter, Facebook or Instagram tagging @mathsont toast using #positiveaboutmaths

Try these boards or make your own!



0.1	0.6
0.5	0.25

0.2	0.5	0.25
0.75	0.1	4.6
7.67	0.72	0.3

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Keep it simple: the Bingo Caller calls out the decimal number.

Add some challenge: the Bingo Caller ask questions. e.g. The decimal number halfway between 0 and 1 OR $4 + 0.3 =$

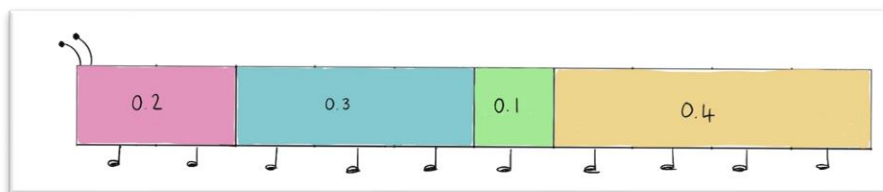
More of a challenge: the bingo caller calls out fraction or percentage equivalents! e.g. $\frac{3}{4}$ 50% 25% $\frac{1}{5}$

Try something different!: instead of decimals on your bingo cards, why not try times tables facts? Answers to subtraction questions? Names of shapes? What else can you think of?

Discover more about decimals

On the next page are some blank bingo cards for your to print out or copy.

Go on a journey of discovery by creating your own bingo cards. Visually represent the size of decimals on your bingo cards like in this example:



How else could you create a visual bingo card?

Don't forget to use the back of a piece of recycled piece of paper.

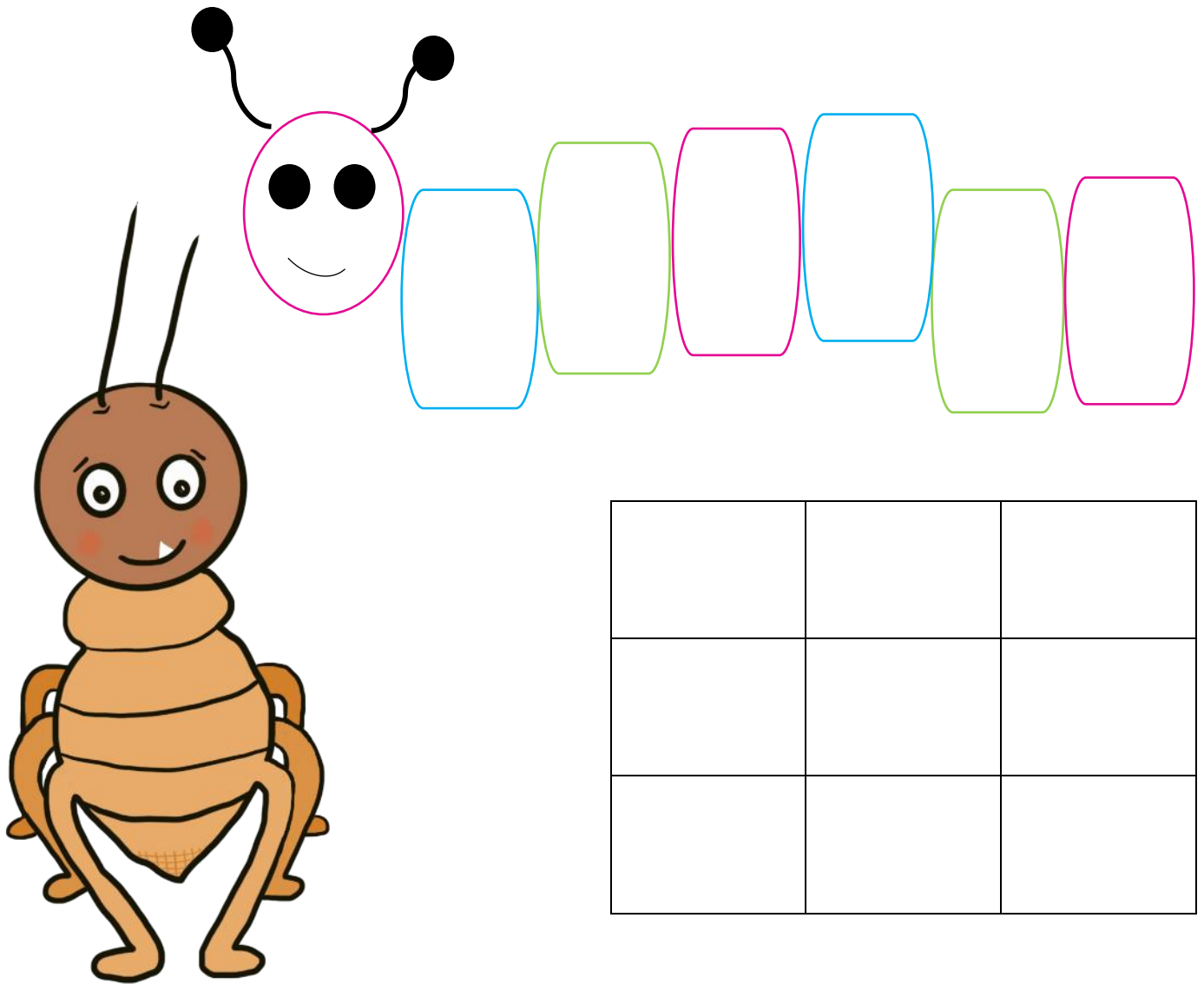
Make a difference!

Did you know that ...

- England had a recycling rate of 45.5% in 2019/2020 up 0.4% on the previous year.
- UK households waste the equivalent of £7.5 billion pounds worth of food.
- 50% of all food waste is still edible, and could be recycled through food banks, charities or making animal feed.
- The average household uses 3.2kg of aluminum cans a year.
- 80% of drinks cans are made of aluminum which is an easily recyclable material.

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Why is this maths?

Decimals, fractions and percentages are all different ways of showing a part of the whole. A decimal number includes a decimal point, and any digit to the right of that decimal point is smaller than a whole number. We use decimal numbers a lot in measurements, as well as in data and with facts and information.

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More decimals for you

Cut them out, or copy them on to bits of paper, fold, and pull them out of a hat or bowl! Use them to help you pick numbers for your board.

0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8
0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6
2.7	2.8	2.9	3.1	3.2	3.3	3.4	3.5
4.6	4.7	4.8	4.9	5.1	5.2	5.3	5.4
6.5	6.6	6.7	7.8	7.9	8.1	8.2	8.3
9.4	9.5	9.6	9.7	10.8	10.9	11.1	11.2
12.3	12.4	12.5	13.6	13.7	14.8	14.9	15.0
15.1	15.2	15.3	16.4	27.5	38.6	48.7	100.8

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