## Maths Code Crackers | Year 4 |Area | Questions

## National Backwards day (31 January)

.yad sdrawkcab lanoitan yppaH This fun celebration was the idea of Sarah Nicole and Megan Emily Scott in 1961. The history of having unusual (or backwards) days is very old. The ancient Romans celebrated Saturnalia. This day was very unusual as gambling was permitted and, in some cases, masters would serve their slaves. This was a day of merriment and liberty for all.

## Solve each question below. Then use the key to find the answer to the joke. Letters can be used more than once.

1. 3 shapes have areas of 17 squares, 15 squares and 8 squares. Which area is the smallest?
2. A square is $5 \times 5$ squares. What is the area?
3. Shapes $A$ and $B$ together have an area of __ squares.
. Shape $C$ has an area of $\qquad$ squares.
4. Shape $D$ has an area of $\qquad$ squares.
5. Shapes B and C together have an area of $\qquad$ squares.
6. Sally counts 5 rows of 8 squares in a rectangle. What is the area of the rectangle?
7. Shape B has an area of $\qquad$ squares.
8. Two rectangles have areas of 8 squares and 10 squares. Which is the smallest area?
9. Shapes $A, B, C, D$ together have an area of $\qquad$ squares.
10. Tony has two rectangles. One has an area of 2 squares, the other has an area of 5 squares. Which is smaller?
11. Ben counts 3 rows of 12 squares. What is the area?
12. Shape A has an area of __ squares.

## Did you know?

Kangaroos can jump forwards and side to side but not backwards.
10. A square is 3 by 3 squares. What is the area?
13. A rectangle is 1 square wide and 5 squares long. What is the area?

| $\mathbf{A}$ | $\mathbf{B}$ | $\mathbf{C}$ | $\mathbf{D}$ | $\mathbf{E}$ | $\mathbf{F}$ | $\mathbf{G}$ | $\mathbf{H}$ | $\mathbf{I}$ | $\mathbf{J}$ | $\mathbf{K}$ | $\mathbf{L}$ | $\mathbf{M}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8 | 40 | 25 | 24 | 36 | 13 | 11 | 7 | 16 | 32 | 4 | 23 | 37 |
| $\mathbf{N}$ | $\mathbf{O}$ | $\mathbf{P}$ | $\mathbf{Q}$ | $\mathbf{R}$ | $\mathbf{S}$ | $\mathbf{T}$ | $\mathbf{U}$ | $\mathbf{V}$ | $\mathbf{W}$ | $\mathbf{X}$ | $\mathbf{Y}$ | $\mathbf{Z}$ |
| 19 | 2 | 10 | 6 | 5 | 9 | 15 | 1 | 35 | 12 | 20 | 63 | 17 |

## What has four legs and says 'hgien'?

1. 3 shapes have areas of 17 squares, 15 squares and 8 squares. Which area is the smallest?
2. Sally counts 5 rows of 8 squares in a rectangle. What is the area of the rectangle?
3. Shape $A$ has an area of __ squares. 8

A
4. A square is $5 \times 5$ squares. What is the area?
5. Shape $B$ has an area of __ squares. 4
6. Shapes $A$ and $B$ together have an area of __ squares. 12 w
7. Two rectangles have areas of 8 squares and 10 squares. Which is the smallest area? 8
8. Shape $C$ has an area of __ squares.
9. Shapes $A, B, C, D$ together have an area of __ squares. 5
10. A square is 3 by 3 squares. What is the area? 9
11. Shape $D$ has an area of $\qquad$ squares. 7
12. Tony has two rectangles. One has an area of 2 squares, the other has an area of 5 squares. Which is smaller?
13. A rectangle is 1 square wide and 5 squares long. What is the area?
14. Shapes $B$ and $C$ together have an area of $\qquad$ squares. 9 S
15. Ben counts 3 rows of 12 squares. What is the area? 36

## A backwards horse.

