## Maths Code Crackers | Year 6 | Percentages | Questions

## Rugby Six Nations (starts first Saturday in February)

The Six Nations rugby championship is a sporting competition for both men and women. It is a tournament played every year between the six top rugby union-playing countries in Europe. The six countries are England, Scotland, Wales, Ireland, France and Italy. Teams play five matches, if they win all of the five matches, it is called a Grand Slam. Grand Slams are very rare!

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

1. Write $\frac{23}{25}$ as a percentage.
2. Write $\frac{13}{100}$ as a percentage.
3. Which is larger, $\frac{3}{8}$ or $50 \%$ ?
4. Which is the odd one out?

$$
92 \%, \frac{95}{100}, \frac{19}{20}, 0.95
$$

11. $41 \%$ of $200=$
12. Write $\frac{3}{5}$ as a percentage.
13. $25 \%$ of ? $=20$
14. Which is larger, 0.42 or $37 \%$ ?
15. Which is the odd one out?

$$
25 \%, 0.25, \frac{5}{20}, 0.2
$$

7. $26 \%$ of $40=$ ? $\%$ of 80
8. $16 \%$ of $350=$
9. $25 \%$ of $80=? \%$ of 40
10. $90 \%$ of $49=$
11. $14 \%$ of $500=$
12. $29 \%+57 \%+$ ? $\%=100 \%$

## Did you know?

The first rugby balls were plumb-shaped and made from pigs' bladders.
10. 48 is what $\%$ of 96 ?
13. $35 \%$ of $900=$
16. $75 \%$ of $420=$
18. Which is larger, 0.8 or $71 \%$

| $\mathbf{A}$ | $\mathbf{B}$ | $\mathbf{C}$ | $\mathbf{D}$ | $\mathbf{E}$ | $\mathbf{F}$ | $\mathbf{G}$ | $\mathbf{H}$ | $\mathbf{I}$ | $\mathbf{J}$ | $\mathbf{K}$ | $\mathbf{L}$ | $\mathbf{M}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $50 \%$ | $\frac{95}{100}$ | $13 \%$ | 0.25 | 0.42 | $37 \%$ | 52.5 | $92 \%$ | 70 | 120 | 80 | 19.6 | 44.1 |
| $\mathbf{N}$ | $\mathbf{O}$ | $\mathbf{P}$ | $\mathbf{Q}$ | $\mathbf{R}$ | $\mathbf{S}$ | $\mathbf{T}$ | $\mathbf{U}$ | $\mathbf{V}$ | $\mathbf{W}$ | $\mathbf{X}$ | $\mathbf{Y}$ | $\mathbf{Z}$ |
| 0.8 | 0.2 | 315 | 44 | $14 \%$ | 82 | 4.2 | $60 \%$ | $\frac{5}{20}$ | 56 | $\frac{19}{20}$ | $71 \%$ | 0 |

## Why was Cinderella such a bad rugby player?

1. Write $\frac{23}{25}$ as a percentage. $92 \%$

H
2. Which is larger, 0.42 or $37 \%$ ? 0.42 E
3. $29 \%+57 \%+? \%=100 \% 14 \%$ 13\% 0.2 50\% 13\% 92\% 56 50\% A
10. 48 is what $\%$ of 96 ?
11. $41 \%$ of $200=$
12. $25 \%$ of $80=$ ? $\%$ of 40 82 S
13. $35 \%$ of $900=$
14. Write $\frac{3}{5}$ as a percentage. 315
60\%
44.1

315
80
70
0.8
15. $90 \%$ of $49=$
16. $75 \%$ of $420=$
17. $25 \%$ of ? $=20$
18. $14 \%$ of $500=$
19. Which is larger, 0.8 or $71 \%$

50\% A
4. Write $\frac{13}{100}$ as a percentage.
5. Odd one out $25 \%, 0.25, \frac{5}{20}, 0.2$
6. Which is larger, $\frac{3}{8}$ or $50 \%$ ?
7. $26 \%$ of $40=? \%$ of 80
8. Odd one out $92 \%, \frac{95}{100}, \frac{19}{20}, 0.95$
9. $16 \%$ of $350=$ R C 0 A C H H

