## PHYSMATH

2:Fractions and percentages


## LEARNDNG OUTCOMES

## Level 4

> Sort fractions and percentages based on their values

Level 5
$>$ Match fractions and percentages of equal value

## Level 6

- Calculate fractions and percentages for real situations

| CONVERTING FRACTIONS TO DECIMALS |
| :---: |
| $\frac{4}{3}, \quad \frac{3}{2}, \quad \frac{10}{11}$ |
| Convert each of these into a decimal value by dividing the |
| top by the bottom |



## REAL LIFE SCENARIO QUESTIONS

- Put your hand up if you only have a Playstation in you $\square$ house
- Put your hand up if you only have an Xbox in your hous

- Put your hand up if you have both $\square$
- Put your hand up if you don't have a Playstation or Xbox at vour house


## FRACTIONS

- Fraction who own Playstations:


## PERCENTAGE

- Percentage who own Playstations:
- Fraction who own Xboxes:
- Percentage who own Xboxes:
- Fraction who own both:
- Percentage who own both:
- Fraction who don't own a console:
- Percentage who don't own a console:
Choose the best option that represents the number:

| 1) $29 \%$ | 2) 0.3 |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| a) $\frac{29}{10}$ | b) 0.029 | c) 2.9 | d) $\frac{29}{100}$ | a) $\frac{3}{100}$ | b) $25 \%$ | c) $\frac{3}{10}$ |

d) $50 \%$$\quad$| 3) $\frac{2}{5}$ | 4) $51 \%$ | a) $\frac{51}{20}$ | b) 0.51 | c) $\frac{51}{10}$ | d) 5.1 |
| :--- | :--- | :--- | :--- | :--- | :--- |



| 9) $\frac{17}{10}$ |  | 10) 0.1 |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| a) 0.017 b) $170 \%$ c) 0.17 d) $17 \%$ a) $\frac{1}{100}$ b) $100 \%$ c) $10 \%$ d) $\frac{3}{10}$ <br> 11) $88 \%$  d) 0.88 a) 0.05 b) 0.5 c) $75 \%$ d) $25 \%$  <br> a) $\frac{21}{25}$ b) $\frac{21}{50}$ c) 8.8 d2     <br> 13) 0.5 d) $\frac{1}{3}$ a) 0.7 b) $\frac{7}{100}$ c) 1.7 d) $\frac{17}{10}$   <br> a) $5 \%$ b) $\frac{1}{2}$ c) $10 \%$ d4) $7 \%$     |  |  |  |  |

## LEARNDNG OUTCOMES

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Level 5
> Match fractions and percentages of equal value

## Level 6

> Calculate fractions and percentages for real situations

