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PHYSMATH

2:Fractions and percentages

LEARNING OUTCOMES

Level 4

> Sort fractions and percentages based on their values

Level 6

> Calculate fractions and percentages for real situations

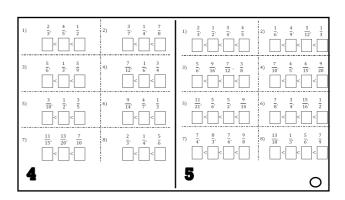
CONVERTING FRACTIONS TO DECIMALS

10 2'

Convert each of these into a decimal value by dividing the top by the bottom

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PERCENTAGES

 \blacksquare To convert a decimal to a percentage, you just times by 100 and add a % sign

Convert these to percentages!

$\frac{7}{8}$.	$\frac{3}{4}$	$\frac{15}{16}$	$\frac{1}{2}$

REAL LIFE SCENARIO QUESTIONS

• Put your hand up if you only have a Playstation in you house

• Put your hand up if you only have an Xbox in your hous

• Put your hand up if you have both

• Put your hand up if you don't have a Playstation or Xbox at

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FRACTIONS

- Fraction who own Playstations:
- Fraction who own Xboxes:
- Fraction who own both:
- Fraction who don't own a console:

PERCENTAGE

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- Percentage who own Playstations:
- Percentage who own Xboxes:
- Percentage who own both:
- Percentage who don't own a console:

Choose the best option that represents the number:

5) 43%

a)
$$\frac{43}{10}$$
 b) 4.3 c) $\frac{4}{25}$ d) 0.43

a) 7.5 b) 75% c) 0.075 d) 70%

7) 1.5

a) 65% b) $\frac{3}{2}$ c) 120% d) $\frac{3}{5}$

a) 0.027 b) $\frac{27}{100}$ c) 2.7 d) $\frac{27}{10}$

9)
$$\frac{17}{10}$$

a) 0.017 b) 170% c) 0.17 d) 17% a) $\frac{1}{100}$ b) 100% c) 10% d) $\frac{3}{10}$

11) 88% 12) $\frac{1}{2}$

a) $\frac{21}{25}$ b) $\frac{21}{50}$ c) 8.8 d) 0.88 a) 0.05 b) 0.5 c) 75% d) 25%

13) 0.5 14) 7%

a) 5% b) $\frac{1}{2}$ c) 10% d) $\frac{1}{3}$ a) 0.7 b) $\frac{7}{100}$ c) 1.7 d) $\frac{17}{10}$

LEARNING OUTCOMES



> Sort fractions and percentages based on their values



<u>Level 5</u> > Match fractions and percentages of equal value



Calculate fractions and percentages for real situations

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