 Fractions, decimals and percentages cards

Cut out each of the cards. Students can then play memory to find equivalent cards. To play memory, place all the cards face down and find any pair of an equivalent fraction, decimal, percentage or word.

|  |  |  |  |
| --- | --- | --- | --- |
| 100% | **1** | $$\frac{1}{1}$$ | **one** |
| 75% | **0.75** | $$\frac{3}{4}$$ | **three quarters** |
| 50% | **0.5** | $$\frac{1}{2}$$ | **one half** |
| $$33 \frac{1}{3}\%$$ | $$0.\dot{3}$$ | $$\frac{1}{3}$$ | **one third** |
| 25% | **0.25** | $$\frac{1}{4}$$ | **one quarter** |
| 0.5% | **0.005** | $$\frac{1}{200}$$ | **five thousandths** |

 Fractions, decimals and percentages cards

|  |  |  |  |
| --- | --- | --- | --- |
| 150% | **1.5** | $$\frac{3}{2}$$ | **three halves** |
| 10% | **0.1** | $$\frac{1}{10}$$ | **one tenth** |
| 20% | **0.2** | $$\frac{1}{5}$$ | **one fifth** |
| 30% | **0.3** | $$\frac{3}{10}$$ | **three tenths** |
| 1% | **0.01** | $$\frac{1}{100}$$ | **one hundredth** |

 Fractions, decimals and percentages cards

|  |  |  |  |
| --- | --- | --- | --- |
| 5% | **0.05** | $$\frac{1}{20}$$ | **one** **twentieth** |
| 15% | **0.15** | $$\frac{3}{20}$$ | **three twentieths** |
| 22% | **0.22** | $$\frac{11}{50}$$ | **eleven fiftieths** |
| 60% | **0.6** | $$\frac{3}{5}$$ | **three fifths** |
| 45% | **0.45** | $$\frac{9}{20}$$ | **nine twentieths** |

 Fractions, decimals and percentages cards

|  |  |  |  |
| --- | --- | --- | --- |
| 7% | **0.07** | $$\frac{7}{100}$$ | **seven hundredths** |
| 76% | **0.76** | $$\frac{19}{25}$$ | **nineteen twenty fifths** |
| 31% | **0.31** | $$\frac{31}{100}$$ | **thirty one****hundredths** |
| 52% | **0.52** | $$\frac{13}{25}$$ | **thirteen twenty fifths** |
| 98% | **0.98** | $$\frac{49}{50}$$ | **forty nine fiftieths** |

Outcome

Operates with fractions, decimals and percentages MA4-5NA

Content

* Connect fractions, decimals and percentages and carry out simple conversions (ACMNA157)
	+ convert fractions to decimals (terminating and recurring) and percentages
	+ convert terminating decimals to fractions and percentages
	+ convert percentages to fractions and decimals (terminating and recurring)