

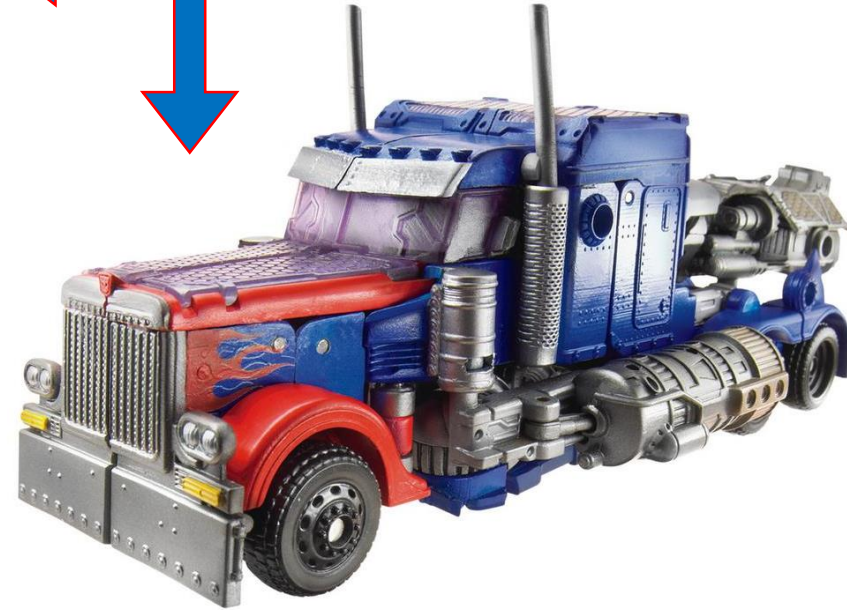
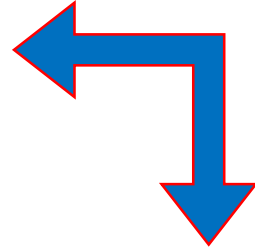
Fraction, Decimals and Percentages

LO: To be able to compare fractions decimals and percentage.





Optimus Prime

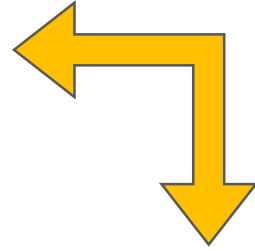


... From a robot into a truck and from a truck into a robot ...

BUT IT'S STILL THE SAME GUY!!!



Bumblebee

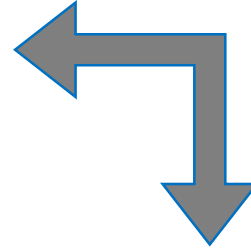


... From a robot into a car and from a car into a robot ...

BUT IT'S STILL THE SAME GUY!!!



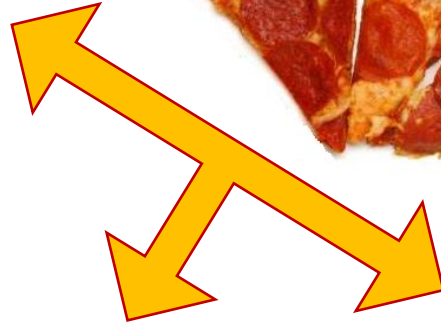
Ironhide



... From a robot into a pickup and from a pickup into a robot ...

BUT IT'S STILL THE SAME GUY!!!

$$\frac{3}{8}$$



0.375

37.5%

... From a fraction into a decimal and from a decimal into a percentage ...

BUT IT'S STILL THE SAME GUY!!!

~~amount of pizza~~

Player Ratings

Match Stats

Man City Stats

Arsenal Stats

MAN CITY

7-3

ARSENAL

Match Stats

Ingredients

Edit and Save

Original recipe makes 1 pie

Char

☐ 12 ounces semisweet chocolate chips

☐ 1 1/2 cups heavy whipping cream

☐ 1/4 cup sifted confectioners' sugar

Code

94733

Stainless Self Tapping Countersunk Pozi 1/2" x 6

70685

Stainless Self Tapping Countersunk Pozi 3/4" x 6

31732

Stainless Self Tapping Countersunk Pozi 1" x 6

49422

Stainless Self Tapping Countersunk Pozi 3/4" x 8

73874

Stainless Self Tapping Countersunk Pozi 1" x 8

34724

Stainless Self Tapping Countersunk Pozi 1 1/4" x 8

88891

Stainless Self Tapping Countersunk Pozi 1 1/2" x 8

18348

Stainless Self Tapping Countersunk Pozi 1 1/4" x 10

Statistic		Man City	Arsenal
Shots	17		14
On Target	9		9
Off Target	8		5
Clear Cut Chances	7		2
Possession	53%		47%
Corners	6		10
Fouls	16		17
Passes Completed	77%		74%
Tackles Won	75%		82%
Headers Won	76%		54%
Yellow Cards	2		3
Red Cards	0		0
Average Rating	7.88		6.12

percentages

fractions

decimals

Look different,
but do the same thing:
represent an amount

Whoa!
Stop right there!
If they do the same thing,
why do we need them all?
Surely just **one of them** would do...





How many shoes do you have?

They do the same thing (protect your feet).
Surely only one pair would do...?

Only one pair?
Don't make me
angry...





Sometimes
you can use any of these –
whichever you like the best.
Sometimes
one of them is not appropriate,
while another one is spot on!

$\frac{2}{5}$

0.4

40%

I like the blond one
at the top right...
Cute...



... And that is why we need to know
how to transform from
one shape to another...



LO: To be able to compare fraction, decimals and percentages.

1) Recap some simple percentage and decimal equivalents.

2) Voting questions.  

3) 4 Order Decimals and Percentage questions.

4) Recap how to change a fraction to a percentage.

5) Voting questions

6) 4 Order Fraction and Percentage questions.

LO: To be able to compare fraction, decimals and percentages.

We remember that

50% =

25% =

75% =

10% =

40% =

LO: To be able to compare fraction, decimals and percentages.

Change these decimals in to percentages.

Multiply these decimals by 100 to convert them to percentages.

1) **0.98 = %**

6) **0.08 = %**

2) **0.5 = %**

7) **0.14 = %**

3) **0.1 = %**

8) **0.22 = %**

4) **0.3 = %**

9) **0.8 = %**

5) **0.07 = %**

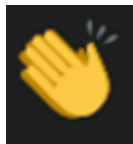
10) **0.16 = %**

LO: To be able to compare fraction, decimals and percentages.

Vote

Which is bigger?

65% or 0.23

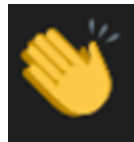


LO: To be able to compare fraction, decimals and percentages.

Vote

Which is smaller?

16% or 0.82

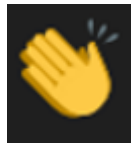


LO: To be able to compare fraction, decimals and percentages.

Vote

Which is bigger?

6% or 0.3

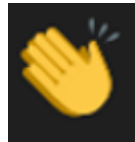


LO: To be able to compare fraction, decimals and percentages.

Vote

Which is smaller?

21% or 0.08

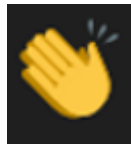


LO: To be able to compare fraction, decimals and percentages.

Vote

Which is bigger?

15% or 0.2



LO: To be able to compare fraction, decimals and percentages.

Put the following decimals and percentages in order.

0.45

23%

0.2

LO: To be able to compare fraction, decimals and percentages.

Put the following decimals and percentages in order.

1)	0.34	3%	0.2
2)	0.04	2%	0.15
3)	67%	0.82	0.9
4)	6.7%	0.35	0.271

LO: To be able to compare fraction, decimals and percentages.

Fractions & Percentages

Target 1 Target 2 Target 3 Target 4 Target 5

Express these percentages as fractions in simplest form.

1) $\frac{\quad}{\quad} = 40\%$

2) $\frac{\quad}{\quad} = 30\%$

3) $\frac{\quad}{\quad} = 50\%$

4) $\frac{\quad}{\quad} = 75\%$

5) $\frac{\quad}{\quad} = 90\%$

6) $\frac{\quad}{\quad} = 60\%$

LO: To be able to compare fraction, decimals and percentages.

Target 1

Target 2

Target 3

Target 4

Target 5

Complete the following using simplest form for fractions.

1)

$\frac{3}{10}$

=

%

2)

=

20

%

3)

$\frac{7}{10}$

=

%

4)

=

40

%

5)

$\frac{4}{5}$

=

%

6)

=

50

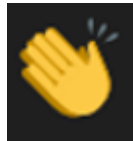
%

LO: To be able to compare fraction, decimals and percentages.

Vote

Which is bigger?

$\frac{4}{10}$ or 0.23

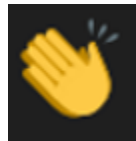


LO: To be able to compare fraction, decimals and percentages.

Vote

Which is smaller?

$\frac{8}{10}$ or 0.82

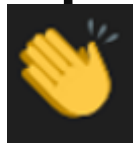


LO: To be able to compare fraction, decimals and percentages.

Vote

Which is bigger?

$\frac{1}{4}$



or 0.3

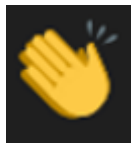


LO: To be able to compare fraction, decimals and percentages.

Vote

Which is smaller?

$\frac{8}{100}$ or 0.8

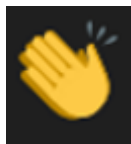


LO: To be able to compare fraction, decimals and percentages.

Vote

Which is bigger?

$\frac{2}{5}$ or 0.2



LO: To be able to compare fraction, decimals and percentages.

Put the following decimals and fractions in order.

0.45

$\frac{3}{10}$

0.2

LO: To be able to compare fraction, decimals and percentages.

Put the following decimals and percentages in order.

1)	0.34	$\frac{4}{10}$	0.2
2)	0.04	$\frac{1}{10}$	0.15
3)	$\frac{3}{4}$	0.82	0.9
4)	$\frac{2}{100}$	4%	0.3

LO: To be able to compare fraction, decimals and percentages.

1) Work out the equivalent decimals and percentages for questions 1-6.

2) Put questions 1-6 in order. Starting with the biggest.

Convert these fractions to decimals then to percentages.

1)

$$\frac{3}{10} = \square = \square \%$$

4)

$$\frac{1}{4} = \square = \square \%$$

2)

$$\frac{4}{5} = \square = \square \%$$

5)

$$\frac{1}{5} = \square = \square \%$$

3)

$$\frac{2}{5} = \square = \square \%$$

6)

$$\frac{9}{10} = \square = \square \%$$

LO: To be able to compare fraction, decimals and percentages.

1) Work out the equivalent decimals and percentages for questions 1-6.

2) Put questions 1-6 in order. Starting with the biggest.

Complete the following, using simplest form for fractions.

1)

$$\frac{\boxed{5}}{\boxed{5}} = \boxed{} = \boxed{20\%}$$

4)

$$\frac{\boxed{9}}{\boxed{5}} = \boxed{0.9} = \boxed{}\%$$

2)

$$\frac{\boxed{1}}{\boxed{2}} = \boxed{0.5} = \boxed{}\%$$

5)

$$\frac{\boxed{1}}{\boxed{4}} = \boxed{0.25} = \boxed{}\%$$

3)

$$\frac{\boxed{2}}{\boxed{5}} = \boxed{} = \boxed{40\%}$$

6)

$$\frac{\boxed{1}}{\boxed{10}} = \boxed{} = \boxed{30\%}$$

LO: To be able to compare fraction, decimals and percentages.

If you can not remember the fraction to decimal equivalent or for more difficult fractions

You can divide the numerator by the denominator to change ANY fraction into a decimal.

Convert these fractions to decimals, then to percentages.

1)

$$\frac{1}{3} = \boxed{}_{(2dp)} = \boxed{}\%$$

4)

$$\frac{1}{8} = \boxed{} = \boxed{}\%$$

2)

$$\frac{2}{3} = \boxed{}_{(2dp)} = \boxed{}\%$$

5)

$$\frac{7}{8} = \boxed{} = \boxed{}\%$$

3)

$$\frac{3}{8} = \boxed{} = \boxed{}\%$$

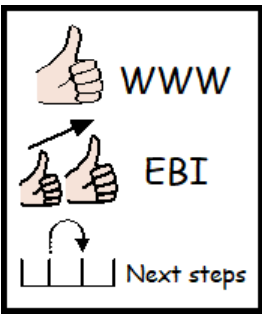
6)

$$\frac{3}{4} = \boxed{} = \boxed{}\%$$

LO: To be able to compare fraction, decimals and percentages.

Complete the table of equivalent fractions, decimals and percentages.

	Fraction	Decimal	Percentage
1)	$\frac{1}{4}$	0.25	<input type="text"/> %
2)	$\frac{1}{2}$	<input type="text"/>	50 %
3)	$\frac{2}{3}$	<input type="text"/>	$66 \frac{2}{3}$ %
4)	<input type="text"/>	0.33	$33 \frac{1}{3}$ %
5)	$\frac{1}{10}$	0.1	<input type="text"/> %
6)	<input type="text"/>	0.75	75 %



LO: To be able to compare fraction, decimals and percentages.

Follow up work

- 1) Mymaths - Frac Dec Perc 1- online homework
- 2) Mymaths - Frac Dec Perc 2- online homework
- 3) S1 - Finding equivalent Fractions Decimals and Percentages
- 4) GCSE practice questions