

PiXL Maths App



maths

Mathematics

PiXL Maths App



- 1) Download the 'PixL Maths' app
- 2) Login using the following details

A screenshot of the PiXL Maths App login interface. The screen is titled 'Welcome to the PiXL Maths App'. It features three input fields: 'Please enter your school id', 'Please enter your userid', and 'Please enter your password'. Below these fields is an orange 'Login' button and a 'Forgot password' link at the bottom.

School id: WC1892

User name: Surname & first initial

Password: Surname & first initial

- 3) Log in to the PiXL Maths app
- 4) Click on 'Design a test', 'Number', 'Fractions, Decimals and percentages', 'Begin Test' and then go for it!!!
- 5) Click 'Mark all'

PiXL Maths App



Well done!!

**Please could you kindly put your
phones away now...**

...Thank you :-)

PiXL Maths App

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Summary

Fractions, decimals & percentages - part a



Question 1 of 1

Simplify the following fractions to their simplest form:

$$\frac{16}{80} = \frac{1}{5} \quad \checkmark$$

$$\frac{9}{45} = \frac{1}{5} \quad \checkmark$$

$$\frac{12}{48} = \frac{1}{4} \quad \checkmark$$

Convert between the following different types of number and simplify where necessary:

Fraction to decimal

$$\frac{1}{8} = 0.125 \quad \checkmark$$

Decimal to fraction

$$0.5 = \frac{5}{10} \quad \times$$

Decimal to percentage

$$0.2 = 20\% \quad \checkmark$$

You recently received your Science result. You got 31 out of 60. What is this as a percentage? Where necessary, give the answer to 1d.p.

$$52.2\% \quad \times$$

51.7

PiXL Maths App – Therapy videos

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Simplify a fraction



Convert between fractions, decimals
and percentages



Write one number as a percentage of
another

PiXL Maths App – Tracking progress

Name	Last accessed	.S1.	.S2.	.S3.	.S4.	.S5.	.S6.	.S7.	.S8.	.S9.	.S10.	.S11.	.S12.	.S13.	.S14.	.S15.	.S16.	.S17.	.S18.	.S19.	.S20.	.S21.	.S22.	.S23.	.S24.	.S25.	.S26.	.S27.	.S28.
AHMADMOHAMMED	02.10.15	3/4	3/4	4/4	1/2	2/2	0/1	1/2	0/2	0/1	0/2	0/3	0/3	0/1	0/1	0/2	0/1	0/1	0/2	0/1	0/3	0/2	0/2	0/1	4/4	3/3	3/3	4/4	0/3
BALLANTINESHANNON	22.09.15	4/4	3/4	2/4	0/2	0/2	0/1	0/2	0/2	0/1	0/2	0/3	0/3	0/1	0/1	0/2	0/1	0/1	0/2	0/1	0/3	0/2	0/2	0/1	3/4	2/3	3/3	4/4	1/3
BHARMALREZ	02.10.15	4/4	4/4	4/4	2/2	0/2	0/1	0/2	2/2	1/1	2/2	0/3	0/3	0/1	0/1	0/2	0/1	0/1	0/2	0/1	1/3	1/2	0/2	0/1	4/4	3/3	3/3	0/4	0/3
BOWDENHARRY	02.10.15	0/4	0/4	0/4	0/2	0/2	0/1	0/2	0/2	0/1	0/2	0/3	0/3	0/1	0/1	0/2	0/1	0/1	0/2	0/1	0/3	0/2	0/2	0/1	0/4	0/3	0/3	4/4	1/3
BRASSMIA	02.10.15	0/4	0/4	0/4	0/2	0/2	0/1	0/2	0/2	0/1	0/2	2/3	2/3	0/1	0/1	0/2	0/1	0/1	0/2	0/1	0/3	0/2	0/2	0/1	4/4	3/3	0/3	0/4	0/3
CASTELLOLUCA	02.10.15	4/4	3/4	4/4	2/2	0/2	0/1	0/2	0/2	0/1	0/2	0/3	0/3	0/1	0/1	0/2	0/1	0/1	0/2	0/1	0/3	0/2	0/2	0/1	3/4	3/3	2/3	2/4	1/3
CATOGULERKAYA	02.10.15	4/4	2/4	2/4	0/2	0/2	0/1	0/2	0/2	0/1	0/2	0/3	0/3	0/1	0/1	0/2	0/1	0/1	0/2	0/1	0/3	0/2	0/2	0/1	3/4	2/3	3/3	4/4	0/3
DAVENPORTS	0	0/4	0/4	0/4	0/2	0/2	0/1	0/2	0/2	0/1	0/2	0/3	0/3	0/1	0/1	0/2	0/1	0/1	0/2	0/1	0/3	0/2	0/2	0/1	0/4	0/3	0/3	0/4	0/3
ENRIGHTEUAN	02.10.15	4/4	3/4	4/4	0/2	0/2	0/1	0/2	0/2	0/1	0/2	0/3	0/3	0/1	0/1	0/2	0/1	0/1	0/2	0/1	0/3	0/2	0/2	0/1	4/4	3/3	2/3	2/4	0/3
FARMERJORDAN	18.10.15	2/4	2/4	4/4	0/2	0/2	0/1	0/2	1/2	1/1	0/2	0/3	0/3	0/1	0/1	0/2	0/1	0/1	0/2	0/1	0/3	0/2	0/2	0/1	3/4	3/3	3/3	3/4	2/3
FEASEYKYRAN	02.10.15	4/4	4/4	4/4	2/2	0/2	0/1	0/2	0/2	0/1	0/2	0/3	0/3	0/1	0/1	0/2	0/1	0/1	0/2	0/1	0/3	0/2	0/2	0/1	4/4	3/3	3/3	4/4	0/3
GERAGHTYKEELEY	02.10.15	0/4	0/4	0/4	0/2	0/2	0/1	0/2	0/2	0/1	0/2	0/3	0/3	0/1	0/1	0/2	0/1	0/1	0/2	0/1	0/3	0/2	0/2	0/1	3/4	3/3	3/3	3/4	1/3
HOWEYJAMIE	02.10.15	0/4	0/4	0/4	0/2	0/2	0/1	0/2	2/2	1/1	2/2	0/3	0/3	0/1	0/1	0/2	0/1	0/1	0/2	0/1	0/3	0/2	0/2	0/1	4/4	3/3	3/3	4/4	2/3
JARVISLILY	02.10.15	0/4	0/4	0/4	0/2	1/2	1/1	1/2	0/2	0/1	0/2	2/3	1/3	0/1	0/1	2/2	1/1	0/4	2/2	0/1	0/3	0/2	0/2	0/1	4/4	3/3	3/3	4/4	1/3
LAKHANPRANAV	09.10.15	4/4	4/4	4/4	2/2	2/2	1/1	2/2	2/2	1/1	2/2	3/3	3/3	1/1	1/1	2/2	1/1	1/1	2/2	1/1	3/3	2/2	2/2	1/1	4/4	3/3	3/3	4/4	1/3
LAWRIECALLUM	02.10.15	0/4	0/4	0/4	0/2	0/2	0/1	0/2	0/2	0/1	0/2	0/3	0/3	0/1	0/1	0/2	0/1	0/1	0/2	0/1	0/3	0/2	0/2	0/1	4/4	2/3	2/3	3/4	2/3
MANNERINGJOSHUA	02.10.15	3/4	3/4	3/4	2/2	2/2	1/1	1/2	2/2	1/1	0/2	3/3	2/3	1/1	1/1	2/2	0/1	1/1	2/2	1/1	0/3	0/2	0/2	0/1	4/4	3/3	3/3	3/4	0/3
MONFAREDGHAZAL	02.10.15	0/4	0/4	0/4	0/2	0/2	0/1	0/2	0/2	0/1	0/2	0/3	0/3	0/1	0/1	0/2	0/1	0/1	0/2	0/1	0/3	0/2	0/2	0/1	4/4	3/3	3/3	0/4	0/3
MORSEJACK	02.10.15	0/4	0/4	0/4	0/2	0/2	0/1	0/2	0/2	0/1	0/2	0/3	0/3	0/1	0/1	0/2	0/1	0/1	0/2	0/1	0/3	0/2	0/2	0/1	4/4	3/3	3/3	4/4	0/3
OLYETTDAISY	04.10.15	0/4	0/4	0/4	0/2	0/2	0/1	0/2	2/2	1/1	2/2	3/3	3/3	0/1	0/1	2/2	0/1	0/1	0/2	0/1	0/3	0/2	0/2	0/1	4/4	2/3	3/3	4/4	3/3
OMAHONYAIDAN	02.10.15	4/4	4/4	3/4	1/2	0/2	0/1	0/2	0/2	0/1	0/2	0/3	0/3	0/1	0/1	0/2	0/1	0/1	0/2	0/1	0/3	0/2	0/2	0/1	4/4	3/3	3/3	1/4	1/3
PARMARDEVAN	02.10.15	0/4	0/4	0/4	0/2	0/2	0/1	0/2	2/2	1/1	2/2	0/3	0/3	0/1	0/1	0/2	0/1	0/1	0/2	0/1	0/3	0/2	0/2	0/1	4/4	2/3	3/3	4/4	1/3
PARMARMAYA	02.10.15	4/4	3/4	4/4	2/2	0/2	0/1	0/2	2/2	1/1	2/2	0/3	0/3	0/1	0/1	0/2	0/1	0/1	0/2	0/1	0/3	0/2	0/2	0/1	4/4	3/3	3/3	4/4	1/3
PARRKRISTIAN	22.09.15	0/4	0/4	0/4	0/2	0/2	0/1	0/2	0/2	0/1	0/2	0/3	0/3	0/1	0/1	0/2	0/1	0/1	0/2	0/1	0/3	0/2	0/2	0/1	4/4	2/3	2/3	2/4	1/3
RINKSHAREEF	02.10.15	4/4	3/4	2/4	2/2	0/2	0/1	0/2	0/2	0/1	0/2	0/3	0/3	0/1	0/1	0/2	0/1	0/1	0/2	0/1	0/3	2/2	2/2	0/1	4/4	1/3	3/3	4/4	2/3
SALEYZAHRA	02.10.15	0/4	0/4	0/4	0/2	0/2	0/1	0/2	2/2	1/1	2/2	3/3	3/3	1/1	0/1	0/2	0/1	0/1	0/2	0/1	0/3	0/2	0/2	0/1	4/4	2/3	2/3	4/4	2/3
SMITHJESS	02.10.15	0/4	0/4	0/4	0/2	0/2	0/1	0/2	1/2	1/1	1/2	0/3	0/3	0/1	0/1	0/2	0/1	0/1	0/2	0/1	0/3	0/2	0/2	0/1	4/4	3/3	3/3	4/4	2/3
SMITHJOEL	02.10.15	0/4	0/4	0/4	0/2	0/2	0/1	0/2	0/2	0/1	0/2	0/3	1/3	0/1	0/1	0/2	0/1	0/1	0/2	0/1	0/3	0/2	0/2	0/1	4/4	3/3	3/3	4/4	2/3
STEFANOVMILITSA	02.10.15	0/4	0/4	0/4	0/2	0/2	0/1	0/2	2/2	1/1	1/2	0/3	0/3	0/1	0/1	0/2	0/1	0/1	0/2	0/1	0/3	0/2	0/2	0/1	3/4	3/3	3/3	3/4	1/3
STYLESIONPAUL	02.10.15	4/4	4/4	4/4	2/2	0/2	0/1	0/2	0/2	0/1	0/2	0/3	0/3	0/1	0/1	0/2	0/1	0/1	0/2	0/1	0/3	0/2	0/2	0/1	4/4	3/3	3/3	4/4	2/3
VARSANISURESH	28.09.15	0/4	0/4	0/4	0/2	0/2	0/1	0/2	0/2	0/1	0/2	0/3	0/3	0/1	0/1	0/2	0/1	0/1	0/2	0/1	0/3	0/2	0/2	0/1	4/4	2/3	0/3	0/4	0/3
WATTCALLUM	06.10.15	0/4	0/4	0/4	0/2	0/2	0/1	0/2	0/2	0/1	0/2	2/3	3/3	1/1	1/1	2/2	1/1	1/1	2/2	0/1	0/3	0/2	0/2	0/1	4/4	2/3	3/3	3/4	0/3

- Skill 1: Operate with integers (+, -, x, ÷)
- Skill 2: Operate with decimals (+, -, x, ÷)
- Skill 3: Operate with directed numbers (+, -, x, ÷)
- Skill 4: Calculate a number complement to 100
- Skill 5: Calculate an answer to a related calculation
- Skill 6: Operate with integers and apply BIDMAS
- Skill 7: Round numbers to a decimal place or significant figure
- Skill 8: Identify a factor or a multiple
- Skill 9: Reduce a number to its prime factors using the factor tree
- Skill 10: Find the HCF and LCM of 2 numbers
- Skill 11: Simplify a fraction
- Skill 12: Convert between fractions, decimals and percentages
- Skill 13: Write one number as a percentage of another
- Skill 14: Order fractions
- Skill 15: Convert between improper fractions and mixed numbers
- Skill 16: Add fractions with common denominators
- Skill 17: Subtract fractions with different denominators
- Skill 18: Multiply and divide vulgar fractions
- Skill 19: Add mixed numbers
- Skill 20: Convert recurring decimals into fractions
- Skill 21: Find a fraction or percentage of a quantity
- Skill 22: Increase or decrease a quantity by a given percentage
- Skill 23: Find a reverse percentage of a quantity
- Skill 24: Recall simple powers, including square and cube numbers
- Skill 25: Understand and apply the first 3 index laws
- Skill 26: Evaluate positive, negative or fractional indices
- Skill 27: Convert between standard index form and ordinary numbers
- Skill 28: Operate with numbers written in standard index form
- Skill 29: Simplify a surd
- Skill 30: Rationalise a denominator
- Skill 31: Operate with surds
- Skill 32: Calculate the upper and lower bounds of integer values
- Skill 33: Calculate using upper and lower bounds
- Skill 34: Simplify an expression by collecting like terms
- Skill 35: Simplify an expression by expanding and then collecting like terms
- Skill 36: Factorise an expression
- Skill 37: Substitute positive and negative numbers into a formula and rearrange it
- Skill 38: Identify expressions, equations, formulae and identities
- Skill 39: Write expressions and substitute values into them
- Skill 40: Write a quadratic in surd form and evaluate the answers
- Skill 41: Interpret formulae for length, area and volume
- Skill 42: Identify expressions, equations, formulae and identities
- Skill 43: Continue a sequence given by an illustration
- Skill 44: Calculate the next term of common number patterns
- Skill 45: Generate the nth term to calculate the 100th term
- Skill 46: Solve a linear equation (including 2-step and involving brackets)
- Skill 47: Solve a linear equation with unknowns on both sides
- Skill 48: Solve a simple quadratic equation
- Skill 49: Solve a linear equation graphically
- Skill 50: Solve 2 linear simultaneous equations
- Skill 51: Solve one linear, one non-linear simultaneous equations

PiXL Maths App

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Class edit

Class analysis

Logout

Design a test

Skills overview

Gap analysis

Take a challenge

Score board

Suggestion box

Success Line

Number

Algebra

Ratio & Proportion

Geometry

Probability

Statistics

- 3/4 Operate with integers (+, -, x, ÷)
- 1/4 Operate with decimals (+, -, x, ÷)
- 2/4 Operate with directed numbers (+, -, x, ÷)
- 0/2 Calculate a number complement to 100
- 0/2 Calculate an answer to a related calculation
- 0/1 Operate with integers and apply BIDMAS
- 0/2 Round numbers to a decimal place or significant figure
- 0/2 Identify a factor or a multiple
- 0/1 Reduce a number to its prime factors
- 0/2 Find the HCF and LCM of 2 numbers
- 3/3 Simplify a fraction
- 2/3 Convert between fractions, decimals and percentages
- 0/1 Write one number as a percentage of another
- 0/1 Order fractions
- 0/2 Convert between improper and mixed numbers
- 0/1 Add fractions with common denominators
- 0/1 Subtract fractions with different denominators
- 0/2 Multiply and divide vulgar fractions
- 0/1 Add mixed numbers
- 2/3 Convert recurring decimals into fractions
- 0/2 Find a fraction or percentage of a quantity
- 0/2 Increase/decrease a quantity by a given percentage
- 0/1 Find a reverse percentage of a quantity
- 4/4 Recall simple powers, including squares and cubes
- 0/3 Understand and apply the first 3 index laws
- 0/3 Evaluate positive, negative or fractional indices
- 0/4 Convert between standard index form and ordinary
- 0/3 Operate with numbers in standard index form
- 0/2 Simplify a surd
- 0/2 Rationalise a denominator
- 0/3 Operate with surds
- 0/4 Calculate the upper and lower bounds
- 0/8 Calculate using upper and lower bounds

PiXL Maths App – Key messages

- 1) Full coverage of the skills required at GCSE level
- 2) YOU ARE IN CONTROL. You have access to everything and can complete anything whenever is good for you (even to and from school!)
- 3) Independent learning and improvement through the use of the Therapy Videos
- 4) You can analyse both your progress so far this year using the electronic assessments, but also analyse your written papers using the gap analysis feature.
- 5) A great visual tracking system to show you how well you are progressing.

ENJOY!



Please contact your Maths teacher
if you need anything.

Best wishes from the Maths Team