

Q: What is -5×3 ?

GCSE HIGHER MATHS

Q: How would you calculate
this? $25^{\frac{1}{2}}$

GCSE HIGHER MATHS

Q: What is -5×-3 ?

GCSE HIGHER MATHS

Q: How would you calculate
this? $8^{\frac{1}{3}}$

GCSE HIGHER MATHS

Q: What is $12 \div -4$?

GCSE HIGHER MATHS

Q: This trigonometry looks a bit
jumbled up:

SOC-HAT-OBA

What should it be?

GCSE HIGHER MATHS

Q: What is $-12 \div -4$?

GCSE HIGHER MATHS

Q: What is the
quadratic formula?

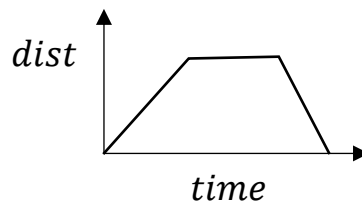
(Say it or write it down)

GCSE HIGHER MATHS

Q: What does **integer** mean?

GCSE HIGHER MATHS

Q: What does the gradient tell
you on a
distance-
time
graph?



GCSE HIGHER MATHS

Q: What is an **irrational** number?

GCSE HIGHER MATHS

Q: On a graph, what are **roots**?

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A: $25^{\frac{1}{2}} = \sqrt{25} = 5$

A unit fraction power is a root

A: -15

When multiplying or dividing,
one - makes the answer -
both -'s makes the answer +

A: $8^{\frac{1}{3}} = \sqrt[3]{8} = 2$

A unit fraction power is a root

A: 15

When multiplying or dividing,
one - makes the answer -
both -'s makes the answer +

A: SOH-CAH-TOA

A: -3

When multiplying or dividing,
one - makes the answer -
both -'s makes the answer +

A:

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

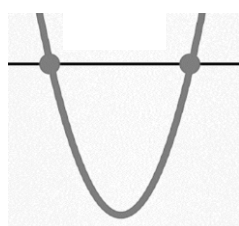
A: 3

When multiplying or dividing,
one - makes the answer -
both -'s makes the answer +

A: the speed (or velocity)

A: whole number

A: Roots are the x-values where the graph crosses (or meets) the x-axis.

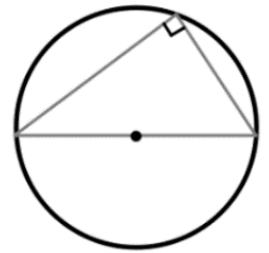


A: a number that can't be written as a whole number or fraction.
(This means that its decimal form never recurs or terminates.)

Q: What is special about an **arithmetic** sequence?

GCSE HIGHER MATHS

Q: What circle theorem is represented by this diagram?

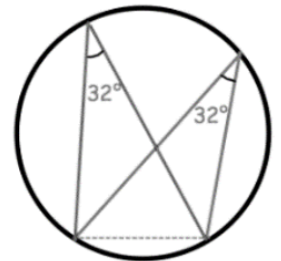


GCSE HIGHER MATHS

Q: On a graph, what is a **turning point**?

GCSE HIGHER MATHS

Q: What circle theorem is represented by this diagram?

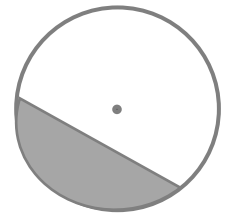


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Q: What is the formula triangle for **speed**?

GCSE HIGHER MATHS

Q: What part of a circle is shaded in the diagram?



GCSE HIGHER MATHS

Q: How many metres are there in a kilometre?

GCSE HIGHER MATHS

Q: What would you usually find in an **exact** answer?

GCSE HIGHER MATHS

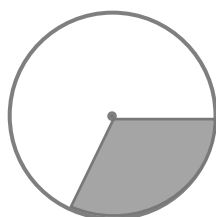
Q: How many grams are there in a kilogram?

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Q: What is the **difference** between 12 and 20?

GCSE HIGHER MATHS

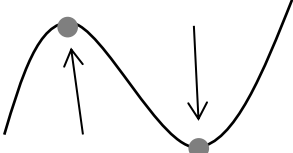
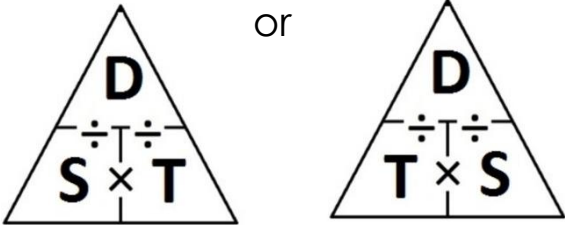
Q: What part of a circle is shaded in the diagram?



GCSE HIGHER MATHS

Q: What is the same about a pair of **similar** shapes?

GCSE HIGHER MATHS

<p>A: The angle in a semi-circle is 90°</p>	<p>A: In an arithmetic (or linear) sequence, we add or subtract the same each time</p> <p>e.g. 5, 8, 11, 14, ... (add 3)</p>
<p>A: Angles in the same segment are equal</p>	<p>A: a point with zero gradient – either a minimum point or a maximum point</p> 
<p>A: a segment</p>	<p>A:</p> 
<p>A: π or a surd</p>	<p>A: 1000</p> <p>(kilo means 1000 or 10^3)</p>
<p>A: 8</p> <p>$12 + 8 = 20$</p>	<p>A: 1000</p> <p>(kilo means 1000 or 10^3)</p>
<p>A: the angles</p> <p>(One shape is an enlargement of the other)</p>	<p>A: a sector</p>

Q: In the line equation
 $y = mx + c$
what does the 'm' mean?

GCSE HIGHER MATHS

Q: What formula would you use
to calculate the **circumference**
of a circle?

GCSE HIGHER MATHS

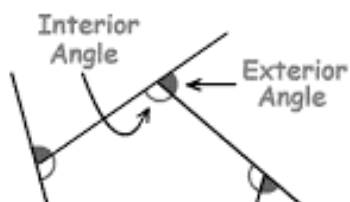
Q: In the line equation
 $y = mx + c$
what does the 'c' mean?

GCSE HIGHER MATHS

Q: What does the gradient tell
you on a speed-time
(or velocity-time) graph?

GCSE HIGHER MATHS

Q: What does a pair of an interior
and an exterior
angle add
up to?

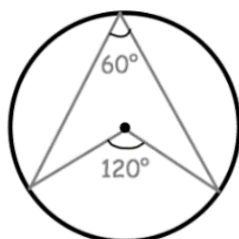


GCSE HIGHER MATHS

Q: What is the **product**
of 4 and 5?

GCSE HIGHER MATHS

Q: What circle
theorem is
represented by this
diagram?

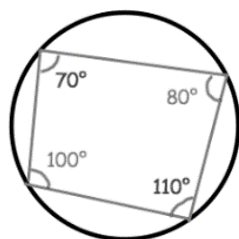


GCSE HIGHER MATHS

Q: What is the total of the angles
in any quadrilateral?

GCSE HIGHER MATHS

Q: What circle
theorem is
represented by
this diagram?



GCSE HIGHER MATHS

Q: How would you work out the
value of
 $25\overline{3}$

GCSE HIGHER MATHS

Q: What happens to an **invariant**
point (or line) when you perform
a transformation?

GCSE HIGHER MATHS

Q: How would you work out the
value of
 $4\overline{83}$

GCSE HIGHER MATHS

A: $C = \pi \times d$

or $C = 2\pi r$

A: the gradient

e.g. for $y = 5x + 3$
the gradient is 5

A: the acceleration

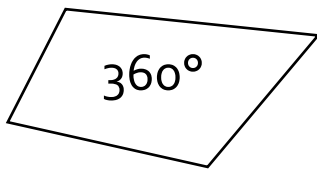
A: the y-axis intercept

e.g. the line $y = 5x - 3$
would cross the y-axis at -3

A: 20
(Product means multiply)

A: 180°

A:



A: The angle at the centre is
twice the angle at the
circumference

A: Square root and cube

$$25^{\frac{3}{2}} = (\sqrt{25})^3 \quad (= 125)$$

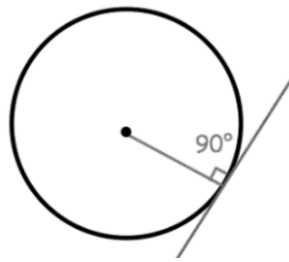
A: Opposite angles in a cyclic
quadrilateral add up to 180°

A: Cube root and power 4

$$8^{\frac{4}{3}} = (\sqrt[3]{8})^4 \quad (= 16)$$

A: It stays in the same place
(It is unaffected)

Q: What circle theorem is represented in the diagram?



GCSE HIGHER MATHS

Q: What does this symbol mean?

$>$

GCSE HIGHER MATHS

Q: What is 150^0 ?
(power 0)

GCSE HIGHER MATHS

Q: What does this symbol mean?

\geq

GCSE HIGHER MATHS

Q: What is t^0 ?
(power 0)

GCSE HIGHER MATHS

Q: Which of the numbers below is represented by $0.4\dot{5}$?

0.4545454545.....

0.4555555555....

0.45045045...

GCSE HIGHER MATHS

Q: Simplify:

$$(x^4)^3$$

GCSE HIGHER MATHS

Q: What is the **reciprocal** of

$$\frac{2}{3} \text{ ?}$$

GCSE HIGHER MATHS

Q: What types of transformation produce a congruent image?

GCSE HIGHER MATHS

Q: What is the **reciprocal** of

$$\frac{1}{5} \text{ ?}$$

GCSE HIGHER MATHS

Q: True or False:
All transformations produce a congruent image.

GCSE HIGHER MATHS

Q: Draw a formula triangle for density

GCSE HIGHER MATHS

A: greater than

A: A radius and tangent meet at 90°

A: greater than or equal

A: 1

(Anything to power 0 is 1)

A: 0.4555555555....

A: 1

(Anything to power 0 is 1)

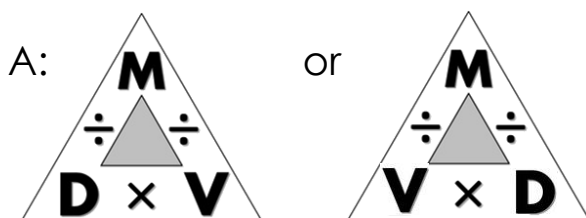
A: $\frac{3}{2}$

A: x^{12}

(Multiply the powers)

A: $5 \left(\frac{5}{1}\right)$

A: reflection, rotation and translation



A: False

Enlargements generally produce a similar image. (Congruent shapes are the same size.)

Q: What part of this box plot indicates the **median**?

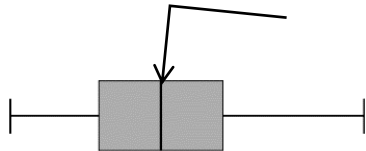


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Q: How many cm^3 is equivalent to 1 millilitre?

GCSE HIGHER MATHS

Q: What does this line in a box plot indicate?



GCSE HIGHER MATHS

Q: What's the formula for calculating the **arc length of a sector**?

GCSE HIGHER MATHS

Q: What shape would a quadratic graph (like $y=x^2$) be?

GCSE HIGHER MATHS

Q: What is special about a **geometric** sequence?

GCSE HIGHER MATHS

Q: What's the formula for calculating the **area of a sector**?

GCSE HIGHER MATHS

Q: In a speed-time graph (velocity-time graph) what does the area under the graph tell us?

GCSE HIGHER MATHS

Q: How many millilitres are there in a litre?

GCSE HIGHER MATHS

Q: How would you identify the distance travelled from a speed-time (velocity-time) graph?

GCSE HIGHER MATHS

Q: How many cm^3 is equivalent to 1 litre?

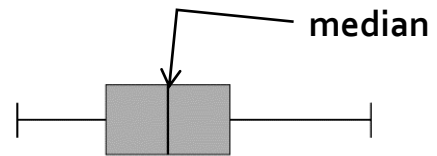
GCSE HIGHER MATHS

Q: How would you identify acceleration from a speed-time (velocity-time) graph?

GCSE HIGHER MATHS

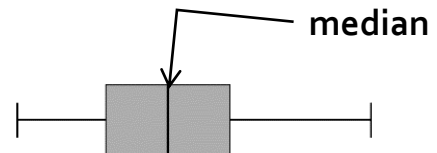
A: 1

A:



A: $\frac{\theta}{360} \times \pi d$

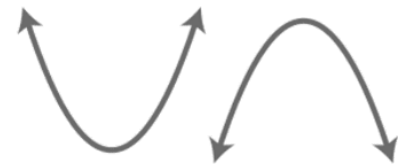
A:



A: In a geometric sequence, we multiply or divide by the same each time

e.g. 20, 5, 10, 2.5, ... ($\div 2$)

A: a U-shaped curve (called a **parabola**)



A: the distance travelled

A: $\frac{\theta}{360} \times \pi r^2$

A: The distance is the area under the graph

A: 1000

(milli- means one thousandth, or 10^{-3})

A: The gradient is the acceleration

A: 1000

Q: How would you write 5^{-1} without a power?

GCSE HIGHER MATHS

Q: What is $\frac{1}{4}$ as a decimal?

GCSE HIGHER MATHS

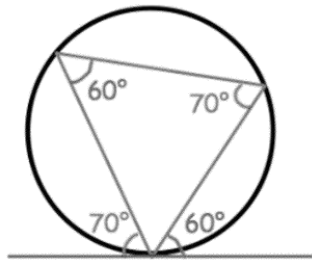
Q: How would you write 6^{-1} without a power?

GCSE HIGHER MATHS

Q: What is $\frac{1}{4}$ as a percentage?

GCSE HIGHER MATHS

Q: What circle theorem is represented by this diagram?



GCSE HIGHER MATHS

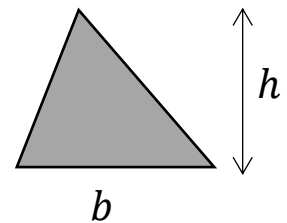
Q: What is 25% as a fraction?

GCSE HIGHER MATHS

Q: In a 2D or 3D shape, what are **vertices**?

GCSE HIGHER MATHS

Q: What is the formula for the area of this triangle?



GCSE HIGHER MATHS

Q: In a 2D or 3D shape, what is a **vertex**?

GCSE HIGHER MATHS

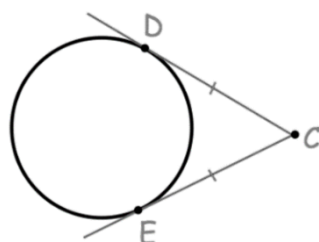
Q: What is the name of this special quadrilateral?



GCSE HIGHER MATHS

Q: What circle theorem is represented by this diagram?

GCSE HIGHER MATHS



Q: What is the name of this special quadrilateral?

GCSE HIGHER MATHS



A: 0.25

$$A: \frac{1}{5}$$

(A power of -1 is a reciprocal)

A: 25%

$$A: \frac{1}{6}$$

(A power of -1 is a reciprocal)

$$A: \frac{1}{4}$$

A: the Alternate Segment Theorem

$$A: \frac{b \times h}{2}$$

(or equivalent)

A: corners

A: a **rhombus**
(It has four equal sides)

A: a corner
(plural: **vertices**)

A: a **parallelogram**
(It has two pairs of parallel sides)

A: Tangents to a point are the same length

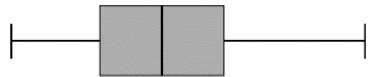
Q: What is an **outlier**?

GCSE HIGHER MATHS

Q: What do we normally do with numbers when we're **estimating** the result of a calculation?

GCSE HIGHER MATHS

Q: Which part of this box plot represents the **lower quartile**?



GCSE HIGHER MATHS

Q: What is special about **discrete** data?

GCSE HIGHER MATHS

Q: Which part of this box plot represents the **upper quartile**?



GCSE HIGHER MATHS

Q: What is special about **continuous** data?

GCSE HIGHER MATHS

Q: What two properties make a shape (polygon) **regular**?

GCSE HIGHER MATHS

Q: What is $\frac{3}{4}$ as a decimal?

GCSE HIGHER MATHS

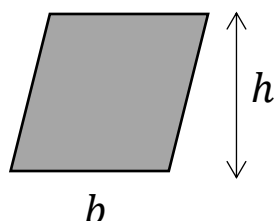
Q: How would you calculate the **surface area** of a 3D solid?

GCSE HIGHER MATHS

Q: What is $\frac{3}{4}$ as a percentage?

GCSE HIGHER MATHS

Q: What is the formula for the area of this parallelogram?



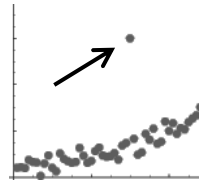
GCSE HIGHER MATHS

Q: What is 75% as a fraction?

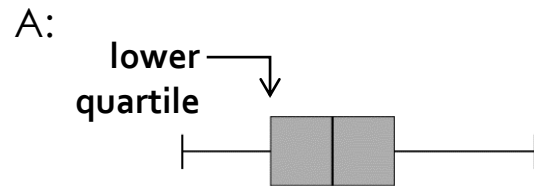
GCSE HIGHER MATHS

A: Round each number to 1 significant figure

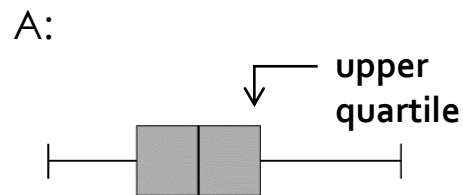
A: A piece of data that doesn't fit the pattern of the rest of the data



A: It can only have certain values
e.g. shoe size (it can't be 8.125)



A: It can be measured very accurately
e.g. height, weight, time



A: 0.75

A: It has:
- all equal sides
- all equal angles

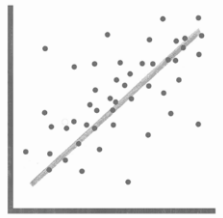
A: 75%

A: Work out the areas of all of its faces, and add them together

A: $\frac{3}{4}$

A: $b \times h$

Q: What type of **correlation** is this?



GCSE HIGHER MATHS

Q: Which part of this box plot represents the *highest value*?



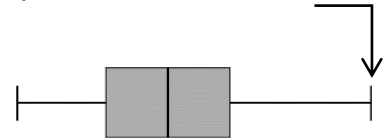
GCSE HIGHER MATHS

Q: What type of **correlation** is this?



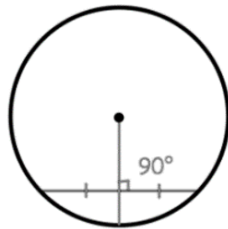
GCSE HIGHER MATHS

Q: What does this line on a box plot indicate?



GCSE HIGHER MATHS

Q: What circle theorem is represented in this diagram?



GCSE HIGHER MATHS

Q: How would you calculate the **interquartile range** of data?

GCSE HIGHER MATHS

Q: How would you work out 5^{-2} ?

GCSE HIGHER MATHS

Q: What are the square numbers up to 100?

GCSE HIGHER MATHS

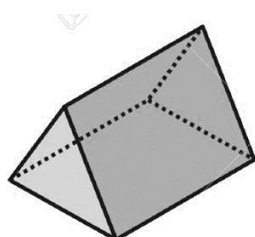
Q: How would you work out 4^{-3} ?

GCSE HIGHER MATHS

Q: What is the formula for the **area of a circle**?

GCSE HIGHER MATHS

Q: What is the name of this 3D solid?

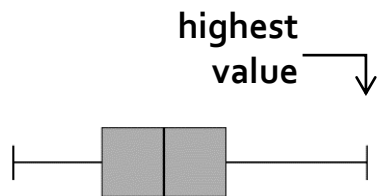


GCSE HIGHER MATHS

Q: What is the formula for the **Sine Rule**?

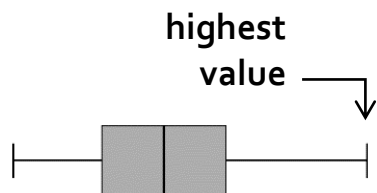
GCSE HIGHER MATHS

A:



A: positive

A:



A: negative

A: $IQR = UQ - LQ$

(upper quartile – lower quartile)

A: The perpendicular bisector of a chord is a radius

A: 1, 4, 9, 16, 25, 36,
49, 64, 81, 100

(all made by squaring a number)

$$A: 5^{-2} = \frac{1}{5^2} = \frac{1}{25}$$

$$A: A = \pi \times r^2$$

$$A: 4^{-3} = \frac{1}{4^3} = \frac{1}{64}$$

$$A: \frac{a}{\sin A} = \frac{b}{\sin B}$$

A: a prism
It has the same shape
(the cross-section) running all the
way through the middle

Q: In a 3D shape, what is an **edge**?

GCSE HIGHER MATHS

Q: What is $\frac{1}{10}$ as a decimal?

GCSE HIGHER MATHS

Q: How many centimetres are there in a metre?

GCSE HIGHER MATHS

Q: What is $\frac{1}{10}$ as a percentage?

GCSE HIGHER MATHS

Q: How many cm^2 are there in 1m^2 of area?

GCSE HIGHER MATHS

Q: What is 10% as a fraction?

GCSE HIGHER MATHS

Q: How many cm^3 are there in 1m^3 of volume?

GCSE HIGHER MATHS

Q: What type of predictions using a scatter diagram are usually unreliable?

GCSE HIGHER MATHS

Q: In data, what is a **trend**?

GCSE HIGHER MATHS

Q: What is a **simple random sample**?

GCSE HIGHER MATHS

Q: What name do we give to the two equal angles in an isosceles triangle?

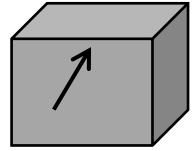
GCSE HIGHER MATHS

Q: How do you calculate the volume of a prism?

GCSE HIGHER MATHS

A: 0.1

A: a line connecting two faces



A: 10%

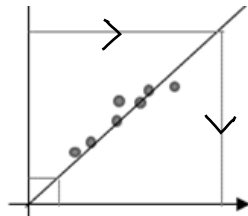
Q: 100

(centi- means one hundredth or 10^{-2})

A: $\frac{1}{10}$

A: 10 000 (100^2)

A: Predictions outside the range of the original data (extrapolating)

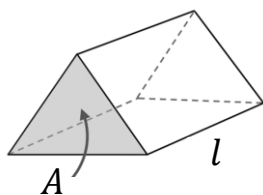


A: 1 000 000 (100^3)

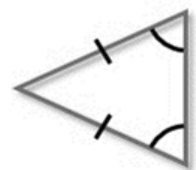
A: a sample in which every person (or object) has the same probability of being in the sample (e.g. names from a hat)

A: an overall pattern
e.g. 'The profits went up'

A:
area of end \times *length*



A: the **base angles**



Q: What is $\frac{1}{5}$ as a decimal?

GCSE HIGHER MATHS

Q: What do you call data that has two modes?

GCSE HIGHER MATHS

Q: What is $\frac{1}{5}$ as a percentage?

GCSE HIGHER MATHS

Q: What type of triangle has no equal sides and no equal angles?

GCSE HIGHER MATHS

Q: What is 20% as a fraction?

GCSE HIGHER MATHS

Q: What does **evaluate** mean?

GCSE HIGHER MATHS

Q: What are **perpendicular** lines?

GCSE HIGHER MATHS

Q: What are the first five **cube numbers**?

GCSE HIGHER MATHS

Q: What are **consecutive** numbers?

GCSE HIGHER MATHS

Q: Why is 64 a cube number?

GCSE HIGHER MATHS

Q: What is the **mode**?

GCSE HIGHER MATHS

Q: What does **depreciate** mean?

GCSE HIGHER MATHS

A: **bimodal**

A: 0.2

A: **scalene**



A: 20%

A: **evaluate** means 'work out the value' giving your answer as a number

A: $\frac{1}{5}$

A: 1, 8, 27, 64, 125

A: lines that meet at right angles



A: $64 = 4 \times 4 \times 4 = 4^3$

A: Numbers that come one after another when you count
e.g. 5, 6, 7, 8

A: go down in value
(like a second hand car)

A: The most common value
(There can be no mode,
or two modes)

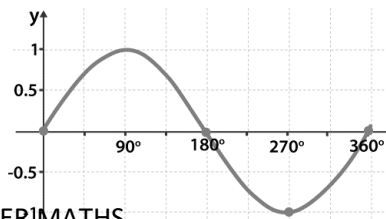
Q: What is a **plan** view of an object?

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Q: Why are the **median** and **interquartile range** likely to be more reliable than the **mean** and **range**?

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Q: What function is this?

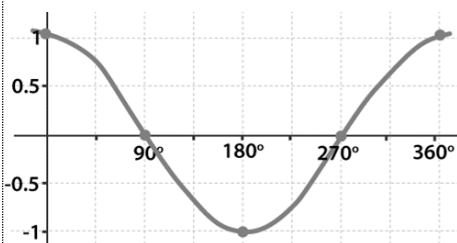


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Q: What movement does this vector describe?

$$\begin{pmatrix} 5 \\ 2 \end{pmatrix}$$

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GCSE HIGHER MATHS

Q: What function is this?

Q: What movement does this vector describe?

$$\begin{pmatrix} -5 \\ -2 \end{pmatrix}$$

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Q: What is the formula for **Pythagoras' theorem**?

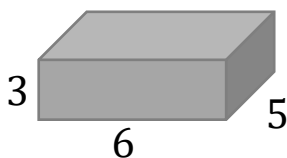
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Q: What movement does this vector describe?

$$\begin{pmatrix} -5 \\ 0 \end{pmatrix}$$

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Q: How would you calculate the volume of this cuboid?



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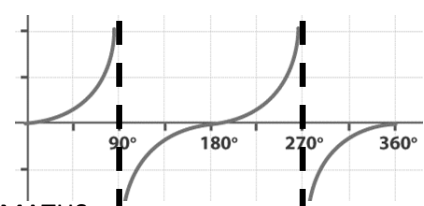
Q: What does **iteration** mean?

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Q: What is a **recurrence relation**?

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Q: What function is this?



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A: They are not affected by outliers (extreme values)	A: a view from above (a bird's eye view)
A: 5 right and 2 up	A: $y = \sin x$
A: 5 left and 2 down	A: $y = \cos x$
A: 5 left	A: $a^2 + b^2 = c^2$
A: doing the same thing over and over again	A: $3 \times 5 \times 6 (= 90)$
A: $y = \tan x$	A: a sequence where each term is calculated from the previous term(s) e.g. $x_{n+1} = 2x_n - 3$

Q: How would you multiply these fractions?

$$\frac{2}{5} \times \frac{3}{7}$$

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Q: What is $\frac{1}{3}$ as a decimal?

GCSE HIGHER MATHS

Q: What does this symbol mean?

<

GCSE HIGHER MATHS

Q: What is $\frac{1}{3}$ as a percentage?

GCSE HIGHER MATHS

Q: What does this symbol mean?

≤

GCSE HIGHER MATHS

Q: What is a **Fibonacci** sequence?

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Q: What is the square root of 16, and why?

GCSE HIGHER MATHS

Q: Why is this number not in **standard form**?

$$15 \times 10^3$$

GCSE HIGHER MATHS

Q: What is the formula to find the gradient from two points, (x_1, y_1) and (x_2, y_2) ?

GCSE HIGHER MATHS

Q: Why is this number not in **standard form**?

$$9 \times 8^3$$

GCSE HIGHER MATHS

Q: What does 'in terms of π ' mean?

GCSE HIGHER MATHS

Q: What is special about the gradients of **parallel** lines?

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A: $0.\dot{3}$

$$A: \frac{2}{5} \times \frac{3}{7} = \frac{6}{35} \leftarrow \begin{matrix} 2 \times 3 \\ 5 \times 7 \end{matrix}$$

A: $33.\dot{3}\%$

A: less than

A: a sequence where two terms are added to get the next one

e.g. 1, 1, 2, 3, 5, 8, 13, ...
($1 + 1 = 2$, $1 + 2 = 3$, etc.)

A: less than or equal to

A: The number at the start should be between 1 and 10
(not quite 10)

$$A: \sqrt{16} = 4$$

because $4 \times 4 = 16$

A: It should end with a power of 10, not 8
(Note that 9 is fine, because it's between 1 and 10)

$$A: m = \frac{y_2 - y_1}{x_2 - x_1}$$

A: They are the same
(because the lines go in the same direction)

A: Leave π in your answer
(No need to use a calculator)

Q: What is $5 + -3$?

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Q: What does the word **equidistant** mean?

GCSE HIGHER MATHS

Q: What is $5 - -3$?

GCSE HIGHER MATHS

Q: What does **bisect** mean?

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Q: What is the **cube root** of 125?

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Q: What is the general shape of a **cubic** (x^3) graph?

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Q: What is $\sqrt[3]{8}$?

GCSE HIGHER MATHS

Q: What is the value of $\sin 30$?

GCSE HIGHER MATHS

Q: What is the formula for the **Cosine Rule**?

GCSE HIGHER MATHS

Q: What is the value of $\cos 60$?

GCSE HIGHER MATHS

Q: In a **histogram**, how would you identify the frequency?

GCSE HIGHER MATHS

Q: What is the value of $\sin 60$?

GCSE HIGHER MATHS

A: Equal distance
(from two points)

A: 2

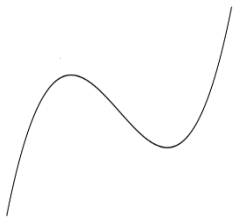
$$+ - \text{ becomes } - \\ 5 + -3 = 5 - 3 = 2$$

A: cut in half
(cut into two equal pieces)

A: 8

$$- - \text{ becomes } + \\ 5 - -3 = 5 + 3 = 8$$

A:



$$A: \sqrt[3]{125} = \underline{5}$$

because $5^3 = 125$

$$A: \frac{1}{2}$$

$$A: \sqrt[3]{8} = \underline{2}$$

because $2^3 = 8$

(The cube root of 8)

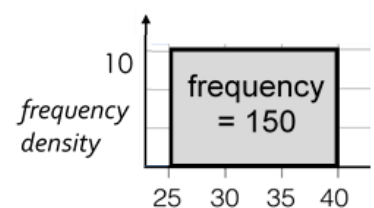
$$A: \frac{1}{2}$$

A:

$$a^2 = b^2 + c^2 - 2bc \cos A$$

$$A: \frac{\sqrt{3}}{2}$$

A: The area
is the
frequency



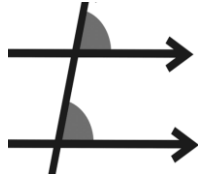
Q: What is the value of $\cos 30^\circ$?

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Q: What is the value of $\tan 30^\circ$?

GCSE HIGHER MATHS

Q: What are these special angles called, near the parallel lines?

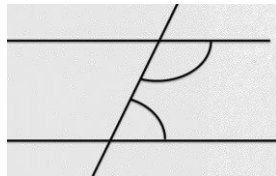


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Q: What is the value of $\tan 60^\circ$?

GCSE HIGHER MATHS

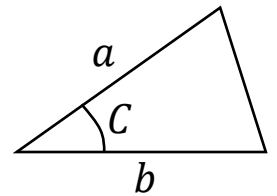
Q: What are these special angles called, near the parallel lines?



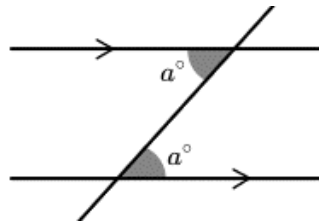
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Q: How would you find the area of this triangle, using just the information in the diagram?

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Q: What are these special angles called?



GCSE HIGHER MATHS

Q: What is the formula triangle for pressure, area and force?

GCSE HIGHER MATHS

Q: What is the value of $\sin 45^\circ$?

GCSE HIGHER MATHS

Q: What would the graph of

$$y = \frac{1}{x}$$

look like?

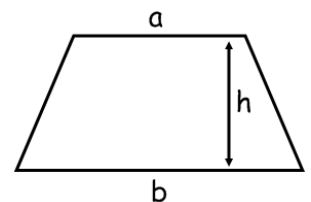
GCSE HIGHER MATHS

Q: What is the value of $\cos 45^\circ$?

GCSE HIGHER MATHS

Q: What is the formula for the area of this trapezium?

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$$A: \frac{\sqrt{3}}{3}$$

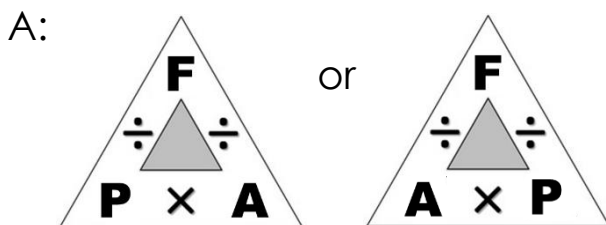
$$A: \frac{\sqrt{3}}{2}$$

$$A: \sqrt{3}$$

A: corresponding angles
(They are equal)

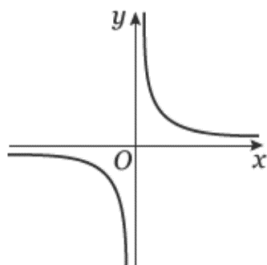
$$A: \frac{1}{2} ab \sin C$$

A: co-interior angles
(They add up to 180°)



A: alternate angles
(They are equal)

A:



$$A: \frac{\sqrt{2}}{2}$$

$$A: \frac{1}{2} (a + b) h$$

$$A: \frac{\sqrt{2}}{2}$$

Q: What do we mean by the bearing of B from A ?

GCSE HIGHER MATHS

Q: What are the four conditions for triangles to be **congruent**?

GCSE HIGHER MATHS

Q: y and x are in **direct proportion**.
How would we write this as a formula?

GCSE HIGHER MATHS

Q: What is special about the gradients of **perpendicular** lines?

GCSE HIGHER MATHS

Q: What is the formula for the sum of the **interior angles** of an n-sided polygon?

GCSE HIGHER MATHS

Q: What is the value of $\tan 45^\circ$?

GCSE HIGHER MATHS

Q: What is the equation of a circle, with radius r, centred at the origin?

GCSE HIGHER MATHS

Q: What do the **exterior angles** in any polygon always add up to?

GCSE HIGHER MATHS

Q: What would the graph of $y = 3^x$ look like?

GCSE HIGHER MATHS

GCSE HIGHER MATHS

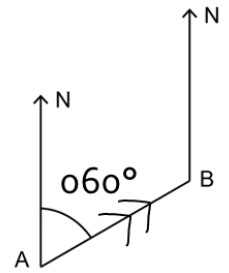
Q: y is **inversely proportional** to x. How would we write this as a formula?

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GCSE HIGHER MATHS

A: SSS, SAS, ASA, RHS

A: The bearing to travel on to get to B from A



A: They multiply to -1 (or they are 'negative reciprocals')

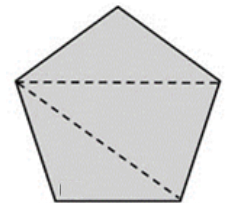
e.g. $\frac{2}{3}$ and $-\frac{3}{2}$

A:
 $y = kx$
or
 $x = ky$

A: 1

A:

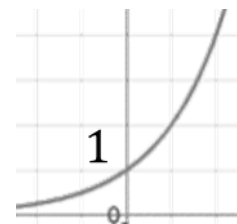
$$(n - 2) \times 180$$



A: 360°

A: $x^2 + y^2 = r^2$

A:



A:

$$y = \frac{k}{x}$$