

Haileybury Turnford

AMBITION • PRIDE • SUCCESS

Year 9 Student Bulletin Vol. 6 DATE 15th July 2021

A MESSAGE FROM MISS KAPOSÍ

To Year 9,

Well done! We have made it to the end of the year and you have been absolutely fantastic. I am really proud of each and every one of you and the progress you have made throughout the year.

This year has been a difficult year and you have continued to adapt to changing circumstances. You have showed resilience throughout the year and I know you will come back in Year 10 ready to face the challenge of GCSEs.

I hope you have a lovely summer holiday and look forward to seeing you all in September.

Take care,

Miss Kaposi 😊

A Message from Mr Megaw:

To all year 9s,

You have had such a turbulent time during the past 11 months, but I am so proud of how you have handled yourselves. When many have crumbled, you have shown triumph. When barriers were put up, you persevered to overcome them. Your dedication, commitment and passion to your education throughout your final year at KS3 has put you in a strong position for the GCSE journey to come.

One of my favourite quotes sums up what so many of you have faced this year:

‘The greatest glory in living is not in falling, but in rising every time we fall’ Nelson Mandela

This year we have all fallen at some point, but everyone of you has made sure you got back up and carried on going – this is excellent, well done.

Whilst the past has been difficult, the future will not be at all easy. You will need to really need to use all the skills you have learnt this year over the phase of your education to ensure you are as successful as can be. You will have difficult time, but you have the ability to overcome these.

I am very much looking forward to working with you for another year. Have an excellent and restful break, and I will see you in the new academic year.

All the best,

Mr N Megaw

Year 9 total house points:

1 st	2 nd	3 rd	4 th	5 th
Shackleton	Austen	Turing	Bevan	Pankhurst
14,738	12,729	12,646	12,139	10,889

Year 9 Special Mentions

Drama

Freddie Barry – Fantastic in drama in both theory and practical.

Ege Goztas - Fantastic in drama in both theory and practical

Bright Siaw – consistently outstanding work produced in lessons!

Lily Richardson – for her focus and engagement in lessons!

Raphael Francis– amazing directing and performing

Kay Dosunmu – again amazing directing and performing

Georgia Khakipour – works hard to achieve a good performance

Billy Fairclough – such a great performer and director, works so hard every lesson

DT

Jamie Swayne

Ella Key

Billy Fairclough

Michael Pambacas

Michael has shown a really positive attitude throughout the year in Design and Technology lessons. He has been a real asset to the group by being helpful and supportive of others which has enabled our practical sessions to run smoothly during these challenging times. Michael always comes to lessons with a positive attitude and this is reflected in the high standard of work he has produced.

Remy Matthews

Remy has shown an excellent attitude towards her work in Design and Technology lessons. Her ability to work independently and her high levels of motivation are reflected in the high standard of work she always produces. Remy has gone from strength to strength this year and we are sure this will continue next year. Well done Remy!

Dance

Connor McGreevy- For having the confidence to lead your group and use the key skills in every performance.

Cody Kingdom- For bringing your confidence and energy to every lesson even though you have only been at HT for a short while.

PE

Represented HT at County Football Trials, each student got to different stages, but excellent to be put through and represent the school:

- **Anthony Odegah**
- **Abraham Ajiboye**
- **Taylor Roberts**
- **Emmanuel Sintim**

Connor McGreevy goes above and beyond in PE lessons, happy to take on leadership responsibilities and lead parts of the lesson. Always works hard and uses transferable skills from each sport to maximise his performance.

Science

Andreea Dudea - Excellent effort and resilience in science this year.

Freddie Barry - Excellent effort and perseverance in science this year.

Ellie Hall - Consistently modelling exemplar behaviour and attitude to learning. Focuses really well and always engaged

Raphael Francis - Consistently engaged, always leading in asking discussions and promoting active discussions of the scientific method.

Remy Matthews - Excellent effort and commitment to learning

Reece Selby - Excellent effort and commitment to learning

Lilly Richardson - Consistently engaged, always leading in asking discussions and promoting active discussions of the scientific method.

Science

Aden Samuels - Has grown steadily confident throughout the year, in terms of participation, engagement and dedication to science.

Madalina Zavadovschi - Excellent effort and commitment to learning

Emmanuel Pius - Excellent effort and commitment to learning

Maths

Consistently hard working in lessons:

Konstantin Farfalov

Melissa Mclrvine

Sydney Power

Sam Fleming

Emily Pym

Megan Cantwell -

Consistently showing excellent attitude to learning.

Freddie Barry -

Consistently showing excellent attitude to learning

History

Megan Cantwell

Jemima Hartley

Billy Fairclough

Jannah Beyaz

Lily Nixon

Geography

For hard work and effort throughout the year

Henry Atkinson

Madalina Zavadovschi

Sam Winders

Chloe Courtenay-Burrows

Melissa Mclrvine

Taylor Roberts

Connor McGreevy

Finnley Allen

Mason Hodgson

Freddie Barry

Ege Goztas

Meryem Kocak

Computing

Lily Nixon – an outstanding computing student

Aleksander Farfalov

Daniel Mughal

Amelie Marendaz

Emmanuel Pius

Lily Richardson

Riley Smith

Media

Henry Atkinson

Gracie Green

Sam Winders

Spanish

Aden Samuels, Remy Matthews, Diyar Mohammed, Andrew Cartwright, Amelie Marendaz. All of them have demonstrated their **ambition** by completing all their work to the best of their ability, they therefore take **pride** on their achievements resulting in the consequent **success** in their learning. They have shown a great amount of respect for their learning, staff and

Music

Alfie Marchant

Vincenzo Mistretta

Louie Mabbett

Millie Cook

They have all made excellent progress in their instrumental lessons, showing excellent commitment and enthusiasm.

Enterprise

Ibo Durust- for much improvement throughout this term

Morris Dawert, Harrison Lincoln, Sky Taylor-Melvin, Kai Henry and Connor McGreevy - Great Pitch presentation for Mizzy Filk

Reece Craber and Konstantin Farfalov. They prepared some good visual representations of their product and prepared well for their presentation.

Art

Alfie Marchant- always trying his best, with a smile on his face!

Armand Sauka- Always trying hard and working to his best!

English

Mia Parker

Andre Belenche

Freddie Barry

Reem Amagour

Andrew Cartwright - Huge progress and motivation through the whole year

Raphael Francis

Billy Fairclough

Megan Cantwell

Connor McGreevy for always being so respectful, helpful and showing huge enthusiasm in English.

Amelie Marendaz for implementing her learning so well into her written work.

Tyrese Young for showing immense focus in English.

RS

Reece Selby

Andrew Cartwright

Raphael Francis

Khyrie Brissett

Paul Parewa

High levels of engagement and participation in RS

Year 9 Work Wall of Fame

Wednesday 16th April 2021

Disturbance Landscapes:

Upland	Mountain	Shrub
Grass	Forest	Shrub
Grassland	Forest	Shrub
Grass	Forest	Shrub
Grass	Forest	Shrub
Grass	Forest	Shrub
Grass	Forest	Shrub
Grass	Forest	Shrub
Grass	Forest	Shrub
Grass	Forest	Shrub

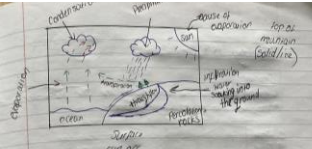
When is the hydrological cycle?

Evaporation is the process of water turning into vapour.

Transpiration is the process of gas/water changing into water.

Evaporation + Transpiration = Evapotranspiration

Vegetation is plant life.



- Evaporation changes water to gas/vapour
- Transpiration changes gas/water to water
- Precipitation is rain/snow
- Transpiration is when water goes into the ground
- Precipitation is when water is below clouds
- Surface run off is when water plants away the soil or drains
- Transpiration is when water changes into gas/water from trees, similar to evaporation
- This cycle keeps repeating

Wednesday 17th July 2021

Light microscope

- uses light to view a specimen
- uses a lens to magnify the specimen
- usually cheap
- low magnification
- low resolution

Electron microscope

- uses a beam of electrons to view a specimen
- uses a lens to magnify the specimen
- usually expensive
- high magnification
- high resolution

What is the function of a root hair cell?

Transpiration is the process of water leaving the plant through the stomata.

What is the function of a root hair cell?

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What is the function of a root hair cell?

Transpiration is the process of water leaving the plant through the stomata.



Monday 1st September 2021

Area of a circle

Area of a circle = πr^2

Area of a sector = $\frac{\theta}{360} \times \pi r^2$

Area of a segment = $\frac{\theta}{360} \times \pi r^2 - \frac{1}{2} r^2 \sin \theta$

Area of a full circle = πr^2

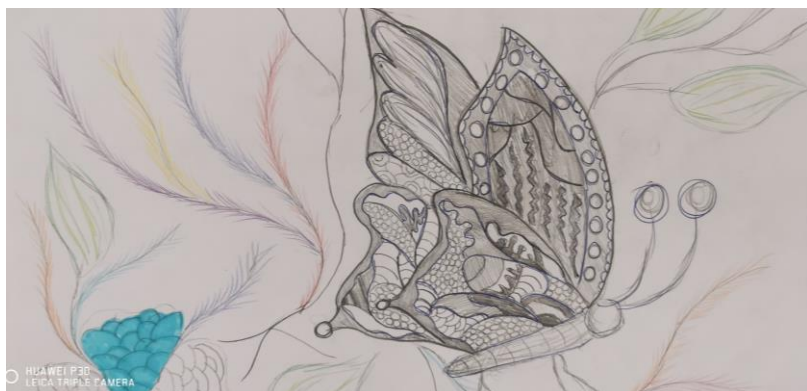
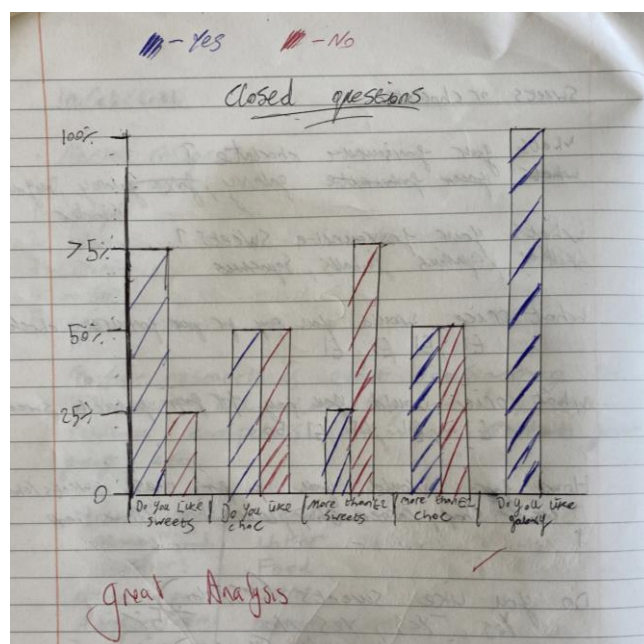
Area of a sector = $\frac{\theta}{360} \times \pi r^2$

Area of a segment = $\frac{\theta}{360} \times \pi r^2 - \frac{1}{2} r^2 \sin \theta$

Area of a full circle = πr^2

Area of a sector = $\frac{\theta}{360} \times \pi r^2$

Area of a segment = $\frac{\theta}{360} \times \pi r^2 - \frac{1}{2} r^2 \sin \theta$



Lamp

For my first term science experiment, I decided to investigate and try to make my own lava lamp using the most simple ingredients that can be found in the house. It was very easy, yet very interesting to see the reactions that took place!


The ingredients I used to follow this experiment through was:

- A tall glass
- Vegetable oil
- Food colouring
- Table salt
- Water

The method I used to create this was:

- 1) Fill the glass two-thirds full with water and add a little drop of food colouring into the glass.
- 2) Top up the rest of the glass with the oil, leaving about an inch at the top so it doesn't overflow.
- 3) One by one, spoon or shake in salt until it gives a bit but add it slowly and watch the lava effect take shape!

As a result of completing my experiment, I found that it only took a certain amount of time as I didn't heat like a normal lava lamp.



The use of multiple was in lines 5-10. Suggests the boy is constantly chatting and making his own world in his game. I can see from the quote "He turned fragments of old windows in his hands like shattered mirrors. He pushed the glass into the mound".

Friday 14th June 2002
Book assistance
 Question 3: passage 0
 Question 4: passage 0

• Q5: Analysing structure
 1. Use a range of questioning techniques
 2. Use subject terminology
 3. Use clear simple line beginnings/ending/progression/shift/ topic through passage - sentence / short sentence paragraphs

Terrains (Structure)
 Location
 Time of day (move along story)
 New characters - dialogue / thoughts / perspective
 Patterns (repetition)

The writer structured the text by moving the time as a reader they start and end by mentioning the time as the first two words and the place in the new sentence. It explores the character's feelings, moving a new turn out of broken glass. On the last sentence of the first paragraph, the boy has explored how the time is nighttime and no longer the evening. "The (at) the sunlight caught"

PS "The Exhaust Progress"
 In the second paragraph, the writer mentions the word "black" in a position as the mood. The poet changes to a darker more to introduce a new character in a similar and he has an overall purpose - provide a summary of the poem. The first sentence is a long one, the boy and lamp, then it is a short one, so we can see the mood changes. The mood changes between the two. The mood changes into a shorter sentence. The mood is so the reader is left to find out what is happening.

Inside quite narrow, explains how it is important.

Questions 41: look at language and structure

- 1) 2 agree with the theme to an extent
- 2) Evaluate
- 3) On the other hand
- 4) Overall

1) 2 agree...
 2) Furthermore
 3) In addition
 4) In conclusion

By the end of the extract, the structure technique is used on reader guide.

THE GILEAD TIMES
MASS BREAKOUT FROM LOCAL PRISON
HANDMAID FLEE AS GUARDS HUNT DOWN ESCAPEES

For you need to handle carefully most books from local prison. Handmaid flee as guards hunt down escapees. The reason for prison is that they are very noisy escape. Like noise in one room is that they are very noisy. The reason for prison is that they are very noisy. The reason for prison is that they are very noisy.

THE REPUBLIC OF GILEAD
 The Republic of Gilead was founded in 1985 after the fall of the United States. It is a totalitarian state where the government controls every aspect of life. The Handmaids are a group of women who are forced to have sex with the high-ranking officials of the state. They are considered property and are not allowed to have any personal freedom.

Noughts and crosses

- I think the title could show about different races and how they could be against each other.
- It could be a bit deeper than what the title shows as an idea of split community.
- Could be a romance in a similar way to Romeo and Juliet as it involves mystery.

Callum (white, nought, superior)

Septy (black, cross, superior)

The front cover of Noughts and crosses suggests that there is a divide in the community of noughts and crosses.

Destructive wave

used as a high energy source
 They are very strong

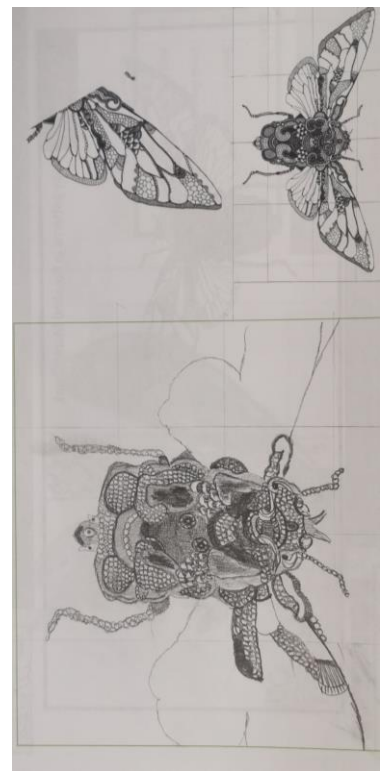
Erosion: wearing away of the land and removes broken fragments of rock.

Flow waves erode (rivers erode in a similar way)

Hydraulic Action	Attrition
Abrasion	Solution

Hydraulic Action
 Water is forced into the rock. This traps the air inside. This air blasts out when waves retreats. This can break the rock apart.

Attrition
 pebbles picked up by the waves, they break down and become smaller.



14th April 2002

Water cycle
 Evaporation (landscaping) evaporation - transpiration
 Condensation (after a certain type of place)
 Precipitation (rain, snow, hail, sleet, etc.)
 Runoff (into rivers, lakes, oceans, etc.)
 Infiltration (into the ground)
 Groundwater (under the ground)
 Discharge (back into the water cycle)

1) Evaporation - When water changes from liquid to gas/vapour
2) Precipitation - rain, snow, hail, sleet, etc.
3) Condensation - When water changes from gas/vapour to liquid
4) Vegetation - plant life

Transpiration - water evaporates from plants

Interception - water is caught by plants before reaching the ground

Infiltration - water seeps into the ground

Runoff - water flows over the surface of the ground

Evaporation - water changes from liquid to gas/vapour

An extract from Billy Fairclough's Brilliant Club essay:

In my intervention I want to target bullying and looking out for the signs of depression by using a secondary prevention strategy and also using indicated prevention. I think that it will help children be more open about their issues at school and at home and it will also hopefully build a connection between the school and the teachers, and the students. This will tackle the problem by the children telling the school the symptoms they have which can be used as an early determiner as to whether they have a mental health disorder and then makes monitoring and controlling the symptoms a lot easier. Also, I have to consider the work done in this field done by other people. A study on

<https://www.nationalelfservice.net/populations-and-settings/schools/school-based-mental-health-programmes/> looks into the short term impacts and effects of depression and attempts to improve resilience. A quote from the website states, "schools are where parents turn for advice." This is one of the main ideas of my intervention and I will try and develop that idea in more detail.

Thursday 1 July 2021

Elizabeth Stride
(Elizabeth Ericson)

- 1) Born in Fins Torlands, a farming district in Sweden.
- 2) Part of a rich farming family.
- 3) Grew up as a Lutheran (very committed to church).
- 4) Lutherans didn't allow their daughters to have an education.
- 5) 18yrs old - took the role of a housemaid at a wealthy family.
- 6) Fell in love with her master's very vulnerable and inexperienced when she became pregnant - around the same time, an outbreak of Syphilis tore through Sweden.
- 7) Elizabeth was debauched and she then contracted Syphilis & treated a number of times.
- 8) Women were forced to ingest mercury (toxic - blood poisoning).
- 9) This led to early delivery of her baby, baby died at birth.
- 10) Childless and homeless - became a prostitute & worked for it.
- 11) A family in need of finance took her in for work.
- 12) Elizabeth was sent to a workhouse and with that money, she took a book to London.
- 13) She fell in love with William Stride, they moved to London and started a copper shop together in the London docks.
- 14) 1875 - more than 650 people died from a major shipping disaster in the Thames.
- 15) Had to borrow being busy, William and Elizabeth split up.
- 16) Moved to a lodging house, she posed as a victim of the disaster (earned more money) - excellent con artist.
- 17) Partnered up with a man called John Kelly (violent, drunk).
- 18) Arrested for turning to prostitution again (hard labour for 7 days).
- 19) 30th September 1885 - kicked out of her house from an argument with John.
- 20) Body discovered hours later.

Trigonometry
Video 329, 330, 331 on www.corbettmaths.com

Examples
Workout
Click here
Scan here

Question 1: Find the size of the missing angles in the triangles below.

(a) $\tan A = \frac{3}{4}$ (b) $\tan A = \frac{1}{2}$ (c) $\sin A = \frac{3}{5}$

(d) $\cos A = \frac{4}{5}$ (e) $\sin A = \frac{3}{5}$ (f) $\cos A = \frac{4}{5}$

(g) $\tan A = \frac{3}{4}$ (h) $\tan A = \frac{1}{2}$ (i) $\sin A = \frac{3}{5}$

(j) $\cos A = \frac{4}{5}$ (k) $\sin A = \frac{3}{5}$ (l) $\cos A = \frac{4}{5}$

(m) $\tan A = \frac{3}{4}$ (n) $\tan A = \frac{1}{2}$ (o) $\sin A = \frac{3}{5}$

(p) $\cos A = \frac{4}{5}$ (q) $\sin A = \frac{3}{5}$ (r) $\cos A = \frac{4}{5}$

(s) $\tan A = \frac{3}{4}$ (t) $\tan A = \frac{1}{2}$ (u) $\sin A = \frac{3}{5}$

(v) $\cos A = \frac{4}{5}$ (w) $\sin A = \frac{3}{5}$ (x) $\cos A = \frac{4}{5}$

(y) $\tan A = \frac{3}{4}$ (z) $\tan A = \frac{1}{2}$ (aa) $\sin A = \frac{3}{5}$

(ab) $\cos A = \frac{4}{5}$ (ac) $\sin A = \frac{3}{5}$ (ad) $\cos A = \frac{4}{5}$

(ae) $\tan A = \frac{3}{4}$ (af) $\tan A = \frac{1}{2}$ (ag) $\sin A = \frac{3}{5}$

(ah) $\cos A = \frac{4}{5}$ (ai) $\sin A = \frac{3}{5}$ (aj) $\cos A = \frac{4}{5}$

(ak) $\tan A = \frac{3}{4}$ (al) $\tan A = \frac{1}{2}$ (am) $\sin A = \frac{3}{5}$

(an) $\cos A = \frac{4}{5}$ (ao) $\sin A = \frac{3}{5}$ (ap) $\cos A = \frac{4}{5}$

(aq) $\tan A = \frac{3}{4}$ (ar) $\tan A = \frac{1}{2}$ (as) $\sin A = \frac{3}{5}$

(at) $\cos A = \frac{4}{5}$ (au) $\sin A = \frac{3}{5}$ (av) $\cos A = \frac{4}{5}$

(aw) $\tan A = \frac{3}{4}$ (ax) $\tan A = \frac{1}{2}$ (ay) $\sin A = \frac{3}{5}$

(az) $\cos A = \frac{4}{5}$ (ba) $\sin A = \frac{3}{5}$ (bb) $\cos A = \frac{4}{5}$

(bc) $\tan A = \frac{3}{4}$ (bd) $\tan A = \frac{1}{2}$ (be) $\sin A = \frac{3}{5}$

(bf) $\cos A = \frac{4}{5}$ (bg) $\sin A = \frac{3}{5}$ (bh) $\cos A = \frac{4}{5}$

(bi) $\tan A = \frac{3}{4}$ (bj) $\tan A = \frac{1}{2}$ (bk) $\sin A = \frac{3}{5}$

(bl) $\cos A = \frac{4}{5}$ (bm) $\sin A = \frac{3}{5}$ (bn) $\cos A = \frac{4}{5}$

(bo) $\tan A = \frac{3}{4}$ (bp) $\tan A = \frac{1}{2}$ (bq) $\sin A = \frac{3}{5}$

(br) $\cos A = \frac{4}{5}$ (bs) $\sin A = \frac{3}{5}$ (bt) $\cos A = \frac{4}{5}$

(bu) $\tan A = \frac{3}{4}$ (bv) $\tan A = \frac{1}{2}$ (bw) $\sin A = \frac{3}{5}$

(bx) $\cos A = \frac{4}{5}$ (by) $\sin A = \frac{3}{5}$ (bz) $\cos A = \frac{4}{5}$

(ca) $\tan A = \frac{3}{4}$ (cb) $\tan A = \frac{1}{2}$ (cc) $\sin A = \frac{3}{5}$

(cd) $\cos A = \frac{4}{5}$ (ce) $\sin A = \frac{3}{5}$ (cf) $\cos A = \frac{4}{5}$

(cg) $\tan A = \frac{3}{4}$ (ch) $\tan A = \frac{1}{2}$ (ci) $\sin A = \frac{3}{5}$

(cj) $\cos A = \frac{4}{5}$ (ck) $\sin A = \frac{3}{5}$ (cl) $\cos A = \frac{4}{5}$

(cm) $\tan A = \frac{3}{4}$ (cn) $\tan A = \frac{1}{2}$ (co) $\sin A = \frac{3}{5}$

(cp) $\cos A = \frac{4}{5}$ (cq) $\sin A = \frac{3}{5}$ (cr) $\cos A = \frac{4}{5}$

(cs) $\tan A = \frac{3}{4}$ (ct) $\tan A = \frac{1}{2}$ (cu) $\sin A = \frac{3}{5}$

(cv) $\cos A = \frac{4}{5}$ (cw) $\sin A = \frac{3}{5}$ (cx) $\cos A = \frac{4}{5}$

(cy) $\tan A = \frac{3}{4}$ (cz) $\tan A = \frac{1}{2}$ (da) $\sin A = \frac{3}{5}$

(db) $\cos A = \frac{4}{5}$ (dc) $\sin A = \frac{3}{5}$ (dd) $\cos A = \frac{4}{5}$

(de) $\tan A = \frac{3}{4}$ (df) $\tan A = \frac{1}{2}$ (dg) $\sin A = \frac{3}{5}$

(dh) $\cos A = \frac{4}{5}$ (di) $\sin A = \frac{3}{5}$ (dj) $\cos A = \frac{4}{5}$

(dk) $\tan A = \frac{3}{4}$ (dl) $\tan A = \frac{1}{2}$ (dm) $\sin A = \frac{3}{5}$

(dn) $\cos A = \frac{4}{5}$ (do) $\sin A = \frac{3}{5}$ (dp) $\cos A = \frac{4}{5}$

(dq) $\tan A = \frac{3}{4}$ (dr) $\tan A = \frac{1}{2}$ (ds) $\sin A = \frac{3}{5}$

(dt) $\cos A = \frac{4}{5}$ (du) $\sin A = \frac{3}{5}$ (dv) $\cos A = \frac{4}{5}$

(dv) $\tan A = \frac{3}{4}$ (dw) $\tan A = \frac{1}{2}$ (dx) $\sin A = \frac{3}{5}$

(dy) $\cos A = \frac{4}{5}$ (dz) $\sin A = \frac{3}{5}$ (ea) $\cos A = \frac{4}{5}$

(eb) $\tan A = \frac{3}{4}$ (ec) $\tan A = \frac{1}{2}$ (ed) $\sin A = \frac{3}{5}$

(ed) $\cos A = \frac{4}{5}$ (ee) $\sin A = \frac{3}{5}$ (ef) $\cos A = \frac{4}{5}$

(ef) $\tan A = \frac{3}{4}$ (eg) $\tan A = \frac{1}{2}$ (eh) $\sin A = \frac{3}{5}$

(eh) $\cos A = \frac{4}{5}$ (ei) $\sin A = \frac{3}{5}$ (ej) $\cos A = \frac{4}{5}$

(ei) $\tan A = \frac{3}{4}$ (ek) $\tan A = \frac{1}{2}$ (el) $\sin A = \frac{3}{5}$

(el) $\cos A = \frac{4}{5}$ (em) $\sin A = \frac{3}{5}$ (en) $\cos A = \frac{4}{5}$

(en) $\tan A = \frac{3}{4}$ (eo) $\tan A = \frac{1}{2}$ (ep) $\sin A = \frac{3}{5}$

(ep) $\cos A = \frac{4}{5}$ (eq) $\sin A = \frac{3}{5}$ (er) $\cos A = \frac{4}{5}$

(eq) $\tan A = \frac{3}{4}$ (es) $\tan A = \frac{1}{2}$ (et) $\sin A = \frac{3}{5}$

(et) $\cos A = \frac{4}{5}$ (eu) $\sin A = \frac{3}{5}$ (ev) $\cos A = \frac{4}{5}$

(ev) $\tan A = \frac{3}{4}$ (ew) $\tan A = \frac{1}{2}$ (ex) $\sin A = \frac{3}{5}$

(ex) $\cos A = \frac{4}{5}$ (ey) $\sin A = \frac{3}{5}$ (ez) $\cos A = \frac{4}{5}$

(ez) $\tan A = \frac{3}{4}$ (fa) $\tan A = \frac{1}{2}$ (fb) $\sin A = \frac{3}{5}$

(fb) $\cos A = \frac{4}{5}$ (fc) $\sin A = \frac{3}{5}$ (fd) $\cos A = \frac{4}{5}$

(fd) $\tan A = \frac{3}{4}$ (fe) $\tan A = \frac{1}{2}$ (ff) $\sin A = \frac{3}{5}$

(ff) $\cos A = \frac{4}{5}$ (fg) $\sin A = \frac{3}{5}$ (fh) $\cos A = \frac{4}{5}$

(fh) $\tan A = \frac{3}{4}$ (fi) $\tan A = \frac{1}{2}$ (fi) $\sin A = \frac{3}{5}$

(fi) $\cos A = \frac{4}{5}$ (fj) $\sin A = \frac{3}{5}$ (fk) $\cos A = \frac{4}{5}$

(fj) $\tan A = \frac{3}{4}$ (fl) $\tan A = \frac{1}{2}$ (fl) $\sin A = \frac{3}{5}$

(fl) $\cos A = \frac{4}{5}$ (fm) $\sin A = \frac{3}{5}$ (fn) $\cos A = \frac{4}{5}$

(fn) $\tan A = \frac{3}{4}$ (fo) $\tan A = \frac{1}{2}$ (fo) $\sin A = \frac{3}{5}$

(fo) $\cos A = \frac{4}{5}$ (fp) $\sin A = \frac{3}{5}$ (fp) $\cos A = \frac{4}{5}$

(fp) $\tan A = \frac{3}{4}$ (fq) $\tan A = \frac{1}{2}$ (fq) $\sin A = \frac{3}{5}$

(fq) $\cos A = \frac{4}{5}$ (fr) $\sin A = \frac{3}{5}$ (fr) $\cos A = \frac{4}{5}$

(fr) $\tan A = \frac{3}{4}$ (fs) $\tan A = \frac{1}{2}$ (fs) $\sin A = \frac{3}{5}$

(fs) $\cos A = \frac{4}{5}$ (ft) $\sin A = \frac{3}{5}$ (ft) $\cos A = \frac{4}{5}$

(ft) $\tan A = \frac{3}{4}$ (fu) $\tan A = \frac{1}{2}$ (fu) $\sin A = \frac{3}{5}$

(fu) $\cos A = \frac{4}{5}$ (fv) $\sin A = \frac{3}{5}$ (fv) $\cos A = \frac{4}{5}$

(fv) $\tan A = \frac{3}{4}$ (fw) $\tan A = \frac{1}{2}$ (fw) $\sin A = \frac{3}{5}$

(fw) $\cos A = \frac{4}{5}$ (fx) $\sin A = \frac{3}{5}$ (fx) $\cos A = \frac{4}{5}$

(fx) $\tan A = \frac{3}{4}$ (fy) $\tan A = \frac{1}{2}$ (fy) $\sin A = \frac{3}{5}$

(fy) $\cos A = \frac{4}{5}$ (fz) $\sin A = \frac{3}{5}$ (fz) $\cos A = \frac{4}{5}$

(fz) $\tan A = \frac{3}{4}$ (ga) $\tan A = \frac{1}{2}$ (ga) $\sin A = \frac{3}{5}$

(ga) $\cos A = \frac{4}{5}$ (gb) $\sin A = \frac{3}{5}$ (gb) $\cos A = \frac{4}{5}$

(gb) $\tan A = \frac{3}{4}$ (gc) $\tan A = \frac{1}{2}$ (gc) $\sin A = \frac{3}{5}$

(gc) $\cos A = \frac{4}{5}$ (gd) $\sin A = \frac{3}{5}$ (gd) $\cos A = \frac{4}{5}$

(gd) $\tan A = \frac{3}{4}$ (ge) $\tan A = \frac{1}{2}$ (ge) $\sin A = \frac{3}{5}$

(ge) $\cos A = \frac{4}{5}$ (gf) $\sin A = \frac{3}{5}$ (gf) $\cos A = \frac{4}{5}$

(gf) $\tan A = \frac{3}{4}$ (gg) $\tan A = \frac{1}{2}$ (gg) $\sin A = \frac{3}{5}$

(gg) $\cos A = \frac{4}{5}$ (gh) $\sin A = \frac{3}{5}$ (gh) $\cos A = \frac{4}{5}$

(gh) $\tan A = \frac{3}{4}$ (gi) $\tan A = \frac{1}{2}$ (gi) $\sin A = \frac{3}{5}$

(gi) $\cos A = \frac{4}{5}$ (gh) $\sin A = \frac{3}{5}$ (gh) $\cos A = \frac{4}{5}$

(gi) $\tan A = \frac{3}{4}$ (gj) $\tan A = \frac{1}{2}$ (gj) $\sin A = \frac{3}{5}$

(gj) $\cos A = \frac{4}{5}$ (gj) $\sin A = \frac{3}{5}$ (gj) $\cos A = \frac{4}{5}$

(gj) $\tan A = \frac{3}{4}$ (gk) $\tan A = \frac{1}{2}$ (gk) $\sin A = \frac{3}{5}$

(gk) $\cos A = \frac{4}{5}$ (gk) $\sin A = \frac{3}{5}$ (gk) $\cos A = \frac{4}{5}$

(gk) $\tan A = \frac{3}{4}$ (gl) $\tan A = \frac{1}{2}$ (gl) $\sin A = \frac{3}{5}$

(gl) $\cos A = \frac{4}{5}$ (gl) $\sin A = \frac{3}{5}$ (gl) $\cos A = \frac{4}{5}$

(gl) $\tan A = \frac{3}{4}$ (gm) $\tan A = \frac{1}{2}$ (gm) $\sin A = \frac{3}{5}$

(gm) $\cos A = \frac{4}{5}$ (gm) $\sin A = \frac{3}{5}$ (gm) $\cos A = \frac{4}{5}$

(gm) $\tan A = \frac{3}{4}$ (gn) $\tan A = \frac{1}{2}$ (gn) $\sin A = \frac{3}{5}$

(gn) $\cos A = \frac{4}{5}$ (gn) $\sin A = \frac{3}{5}$ (gn) $\cos A = \frac{4}{5}$

(gn) $\tan A = \frac{3}{4}$ (go) $\tan A = \frac{1}{2}$ (go) $\sin A = \frac{3}{5}$

(go) $\cos A = \frac{4}{5}$ (go) $\sin A = \frac{3}{5}$ (go) $\cos A = \frac{4}{5}$

(go) $\tan A = \frac{3}{4}$ (gp) $\tan A = \frac{1}{2}$ (gp) $\sin A = \frac{3}{5}$

(gp) $\cos A = \frac{4}{5}$ (gp) $\sin A = \frac{3}{5}$ (gp) $\cos A = \frac{4}{5}$

(gp) $\tan A = \frac{3}{4}$ (gq) $\tan A = \frac{1}{2}$ (gq) $\sin A = \frac{3}{5}$

(gq) $\cos A = \frac{4}{5}$ (gq) $\sin A = \frac{3}{5}$ (gq) $\cos A = \frac{4}{5}$

(gq) $\tan A = \frac{3}{4}$ (gr) $\tan A = \frac{1}{2}$ (gr) $\sin A = \frac{3}{5}$

(gr) $\cos A = \frac{4}{5}$ (gr) $\sin A = \frac{3}{5}$ (gr) $\cos A = \frac{4}{5}$

(gr) $\tan A = \frac{3}{4}$ (gs) $\tan A = \frac{1}{2}$ (gs) $\sin A = \frac{3}{5}$

(gs) $\cos A = \frac{4}{5}$ (gs) $\sin A = \frac{3}{5}$ (gs) $\cos A = \frac{4}{5}$

(gs) $\tan A = \frac{3}{4}$ (gt) $\tan A = \frac{1}{2}$ (gt) $\sin A = \frac{3}{5}$

(gt) $\cos A = \frac{4}{5}$ (gt) $\sin A = \frac{3}{5}$ (gt) $\cos A = \frac{4}{5}$

(gt) $\tan A = \frac{3}{4}$ (gu) $\tan A = \frac{1}{2}$ (gu) $\sin A = \frac{3}{5}$

(gu) $\cos A = \frac{4}{5}$ (gu) $\sin A = \frac{3}{5}$ (gu) $\cos A = \frac{4}{5}$

(gu) $\tan A = \frac{3}{4}$ (gv) $\tan A = \frac{1}{2}$ (gv) $\sin A = \frac{3}{5}$

(gv) $\cos A = \frac{4}{5}$ (gv) $\sin A = \frac{3}{5}$ (gv) $\cos A = \frac{4}{5}$

(gv) $\tan A = \frac{3}{4}$ (gw) $\tan A = \frac{1}{2}$ (gw) $\sin A = \frac{3}{5}$

(gw) $\cos A = \frac{4}{5}$ (gw) $\sin A = \frac{3}{5}$ (gw) $\cos A = \frac{4}{5}$

(gw) $\tan A = \frac{3}{4}$ (gx) $\tan A = \frac{1}{2}$ (gx) $\sin A = \frac{3}{5}$

(gx) $\cos A = \frac{4}{5}$ (gx) $\sin A = \frac{3}{5}$ (gx) $\cos A = \frac{4}{5}$

(gx) $\tan A = \frac{3}{4}$ (gy) $\tan A = \frac{1}{2}$ (gy) $\sin A = \frac{3}{5}$

(gy) $\cos A = \frac{4}{5}$ (gy) $\sin A = \frac{3}{5}$ (gy) $\cos A = \frac{4}{5}$

(gy) $\tan A = \frac{3}{4}$ (gz) $\tan A = \frac{1}{2}$ (gz) $\sin A = \frac{3}{5}$

(gz) $\cos A = \frac{4}{5}$ (gz) $\sin A = \frac{3}{5}$ (gz) $\cos A = \frac{4}{5}$

(gz) $\tan A = \frac{3}{4}$ (ha) $\tan A = \frac{1}{2}$ (ha) $\sin A = \frac{3}{5}$

(ha) $\cos A = \frac{4}{5}$ (ha) $\sin A = \frac{3}{5}$ (ha) $\cos A = \frac{4}{5}$

(ha) $\tan A = \frac{3}{4}$ (hb) $\tan A = \frac{1}{2}$ (hb) $\sin A = \frac{3}{5}$

(hb) $\cos A = \frac{4}{5}$ (hb) $\sin A = \frac{3}{5}$ (hb) $\cos A = \frac{4}{5}$

(hb) $\tan A = \frac{3}{4}$ (hc) $\tan A = \frac{1}{2}$ (hc) $\sin A = \frac{3}{5}$

(hc) $\cos A = \frac{4}{5}$ (hc) $\sin A = \frac{3}{5}$ (hc) $\cos A = \frac{4}{5}$

(hc) $\tan A = \frac{3}{4}$ (hd) $\tan A = \frac{1}{2}$ (hd) $\sin A = \frac{3}{5}$

(hd) $\cos A = \frac{4}{5}$ (hd) $\sin A = \frac{3}{5}$ (hd) $\cos A = \frac{4}{5}$

(hd) $\tan A = \frac{3}{4}$ (he) $\tan A = \frac{1}{2}$ (he) $\sin A = \frac{3}{5}$

(he) $\cos A = \frac{4}{5}$ (he) $\sin A = \frac{3}{5}$ (he) $\cos A = \frac{4}{5}$

(he) $\tan A = \frac{3}{4}$ (hf) $\tan A = \frac{1}{2}$ (hf) $\sin A = \frac{3}{5}$

(hf) $\cos A = \frac{4}{5}$ (hf) $\sin A = \frac{3}{5}$ (hf) $\cos A = \frac{4}{5}$

(hf) $\tan A = \frac{3}{4}$ (hg) $\tan A = \frac{1}{2}$ (hg) $\sin A = \frac{3}{5}$

(hg) $\cos A = \frac{4}{5}$ (hg) $\sin A = \frac{3}{5}$ (hg) $\cos A = \frac{4}{5}$

(hg) $\tan A = \frac{3}{4}$ (hh) $\tan A = \frac{1}{2}$ (hh) $\sin A = \frac{3}{5}$

(hh) $\cos A = \frac{4}{5}$ (hh) $\sin A = \frac{3}{5}$ (hh) $\cos A = \frac{4}{5}$

(hh) $\tan A = \frac{3}{4}$ (hi) $\tan A = \frac{1}{2}$ (hi) $\sin A = \frac{3}{5}$

(hi) $\cos A = \frac{4}{5}$ (hi) $\sin A = \frac{3}{5}$ (hi) $\cos A = \frac{4}{5}$

(hi) $\tan A = \frac{3}{4}$ (hj) $\tan A = \frac{1}{2}$ (hj) $\sin A = \frac{3}{5}$

(hj) $\cos A = \frac{4}{5}$ (hj) $\sin A = \frac{3}{5}$ (hj) $\cos A = \frac{4}{5}$

(hj) $\tan A = \frac{3}{4}$ (hk) $\tan A = \frac{1}{2}$ (hk) $\sin A = \frac{3}{5}$

(hk) $\cos A = \frac{4}{5}$ (hk) $\sin A = \frac{3}{5}$ (hk) $\cos A = \frac{4}{5}$

(hk) $\tan A = \frac{3}{4}$ (hl) $\tan A = \frac{1}{2}$ (hl) $\sin A = \frac{3}{5}$

(hl) $\cos A = \frac{4}{5}$ (hl) $\sin A = \frac{3}{5}$ (hl) $\cos A = \frac{4}{5}$

(hl) $\tan A = \frac{3}{4}$ (hm) $\tan A = \frac{1}{2}$ (hm) $\sin A = \frac{3}{5}$

(hm) $\cos A = \frac{4}{5}$ (hm) $\sin A = \frac{3}{5}$ (hm) $\cos A = \frac{4}{5}$

(hm) $\tan A = \frac{3}{4}$ (hn) $\tan A = \frac{1}{2}$ (hn) $\sin A = \frac{3}{5}$

(hn) $\cos A = \frac{4}{5}$ (hn) $\sin A = \frac{3}{5}$ (hn) $\cos A = \frac{4}{5}$

(hn) $\tan A = \frac{3}{4}$ (ho) $\tan A = \frac{1}{2}$ (ho) $\sin A = \frac{3}{5}$

(ho) $\cos A = \frac{4}{5}$ (ho) $\sin A = \frac{3}{5}$ (ho) $\cos A = \frac{4}{5}$

(ho) $\tan A = \frac{3}{4}$ (hp) $\tan A = \frac{1}{2}$ (hp) $\sin A = \frac{3}{5}$

(hp) $\cos A = \frac{4}{5}$ (hp) $\sin A = \frac{3}{5}$ (hp) $\cos A = \frac{4}{5}$

(hp) $\tan A = \frac{3}{4}$ (hq) $\tan A = \frac{1}{2}$ (hq) $\sin A = \frac{3}{5}$

(hq) $\cos A = \frac{4}{5}$ (hq) $\sin A = \frac{3}{5}$ (hq) $\cos A = \frac{4}{5}$

(hq) $\tan A = \frac{3}{4}$ (hr) $\tan A = \frac{1}{2}$ (hr) $\sin A = \frac{3}{5}$

(hr) $\cos A = \frac{4}{5}$ (hr) $\sin A = \frac{3}{5}$ (hr) $\cos A = \frac{4}{5}$

(hr) $\tan A = \frac{3}{4}$ (hs) $\tan A = \frac{1}{2}$ (hs) $\sin A = \frac{3}{5}$

(hs) $\cos A = \frac{4}{5}$ (hs) $\sin A = \frac{3}{5}$ (hs) $\cos A = \frac{4}{5}$

(hs) $\tan A = \frac{3}{4}$ (ht) $\tan A = \frac{1}{2}$ (ht) $\sin A = \frac{3}{5}$

(ht) $\cos A = \frac{4}{5}$ (ht) $\sin A = \frac{3}{5}$ (ht) $\cos A = \frac{4}{5}$

(ht) $\tan A = \frac{3}{4}$ (hu) $\tan A = \frac{1}{2}$ (hu) $\sin A = \frac{3}{5}$

(hu) $\cos A = \frac{4}{5}$ (hu) $\sin A = \frac{3}{5}$ (hu) $\cos A = \frac{4}{5}$

(hu) $\tan A = \frac{3}{4}$ (hv) $\tan A = \frac{1}{2}$ (hv) $\sin A = \frac{3}{5}$

(hv) $\cos A = \frac{4}{5}$ (hv) $\sin A = \frac{3}{5}$ (hv) $\cos A = \frac{4}{5}$

(hv) $\tan A = \frac{3}{4}$ (hw) $\tan A = \frac{1}{2}$ (hw) $\sin A = \frac{3}{5}$

(hw) $\cos A = \frac{4}{5}$ (hw) $\sin A = \frac{3}{5}$ (hw) $\cos A = \frac{4}{5}$

(hw) $\tan A = \frac{3}{4}$ (hx) $\tan A = \frac{1}{2}$ (hx) $\sin A = \frac{3}{5}$

(hx) $\cos A = \frac{4}{5}$ (hx) $\sin A = \frac{3}{5}$ (hx) $\cos A = \frac{4}{5}$

(hx) $\tan A = \frac{3}{4}$ (hy) $\tan A = \frac{1}{2}$ (hy) $\sin A = \frac{3}{5}$

(hy) $\cos A = \frac{4}{5}$ (hy) $\sin A = \frac{3}{5}$ (hy) $\cos A = \frac{4}{5}$

(hy) $\tan A = \frac{3}{4}$ (hz) $\tan A = \frac{1}{2}$ (hz) $\sin A = \frac{3}{5}$

(hz) $\cos A = \frac{4}{5}$ (hz) $\sin A = \frac{3}{5}$ (hz) $\cos A = \frac{4}{5}$

(hz) $\tan A = \frac{3}{4}$ (ia) $\tan A = \frac{1}{2}$ (ia) $\sin A = \frac{3}{5}$

(ia) $\cos A = \frac{4}{5}$ (ia) $\sin A = \frac{3}{5}$ (ia) $\cos A = \frac{4}{5}$

(ia) $\tan A = \frac{3}{4}$ (ib) $\tan A = \frac{1}{2}$ (ib) $\sin A = \frac{3}{5}$

(ib) $\cos A = \frac{4}{5}$ (ib) $\sin A = \frac{3}{5}$ (ib) $\cos A = \frac{4}{5}$

(ib) $\tan A = \frac{3}{4}$ (ic) $\tan A = \frac{1}{2}$ (ic) $\sin A = \frac{3}{5}$

(ic) $\cos A = \frac{4}{5}$ (ic) $\sin A = \frac{3}{5}$ (ic) $\cos A = \frac{4}{5}$

(ic) $\tan A = \frac{3}{4}$ (id) $\tan A = \frac{1}{2}$ (id) $\sin A = \frac{3}{5}$

(id) $\cos A = \frac{4}{5}$ (id) $\sin A = \frac{3}{5}$ (id) $\cos A = \frac{4}{5}$

(id) $\tan A = \frac{3}{4}$ (ie) $\tan A = \frac{1}{2}$ (ie) $\sin A = \frac{3}{5}$

(ie) $\cos A = \frac{4}{5}$ (ie) $\sin A = \frac{3}{5}$ (ie) $\cos A = \frac{4}{5}$

(ie) $\tan A = \frac{3}{4}$ (if) $\tan A = \frac{1}{2}$ (if) $\sin A = \frac{3}{5}$

(if) $\cos A = \frac{4}{5}$ (if) $\sin A = \frac{3}{5}$ (if) $\cos A = \frac{4}{5}$

(if) $\tan A = \frac{3}{4}$ (ig) $\tan A = \frac{1}{2}$ (ig) $\sin A = \frac{3}{5}$

(ig) $\cos A = \frac{4}{5}$ (ig) $\sin A = \frac{3}{5}$ (ig) $\cos A = \frac{4}{5}$

(ig) $\tan A = \frac{3}{4}$ (ih) $\tan A = \frac{1}{2}$ (ih) $\sin A = \frac{3}{5}$

(ih) $\cos A = \frac{4}{5}$ (ih) $\sin A = \frac{3}{5}$ (ih) $\cos A = \frac{4}{5}$

(ih) $\tan A = \frac{3}{4}$ (ii) $\tan A = \frac{1}{2}$ (ii) $\sin A = \frac{3}{5}$

(ii) $\cos A = \frac{4}{5}$ (ii) $\sin A = \frac{3}{5}$ (ii) $\cos A = \frac{4}{5}$

(ii) $\tan A = \frac{3}{4}$ (ij) $\tan A = \frac{1}{2}$ (ij) $\sin A = \frac{3}{5}$

(ij) $\cos A = \frac{4}{5}$ (ij) $\sin A = \frac{3}{5}$ (ij) $\cos A = \frac{4}{5}$

(ij) $\tan A = \frac{3}{4}$ (ik) $\tan A = \frac{1}{2}$ (ik) $\sin A = \frac{3}{5}$

(ik) $\cos A = \frac{4}{5}$ (ik) $\sin A = \frac{3}{5}$ (ik) $\cos A = \frac{4}{5}$

(ik) $\tan A = \frac{3}{4}$ (il) $\tan A = \frac{1}{2}$ (il) $\sin A = \frac{3}{5}$

(il) $\cos A = \frac{4}{5}$ (il) $\sin A = \frac{3}{5}$ (il) $\cos A = \frac{4}{5}</$