We looked at 29 free multiplication charts: the best, and what we built

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Which free multiplication charts are interactive, which print well and which show ads? We read 29 sites for teachers, picked the best ten, and explain what we built.

The best free multiplication chart for a classroom is one you can tap, cover and print. Mr Barton Maths' Multiplication Grid Explorer has the most investigation questions, SmartOnlineGames is a quick ad-free chart with a practice mode, and Math-Drills has the widest range of printable tables. Peabody (peabody.kids) wrote this guide, then rebuilt its own multiplication chart from what we found, and Peabody is free through the end of 2026. Apart from our own chart, none of these are ours, and nobody paid to be listed.

Every fact about another site was read on its own page on 29 October 2026. We did not test each one in a classroom. "Not stated" means the page did not say, which is not proof the feature is missing. Twinkl and Topmarks' Hit the Button would not load for our reader, so we have not ranked them. The "Who it suits" column is our own view. The full ranked list of 20, with a price note and a limit for each, is on Peabody Teach.

The ten best, side by side

- Tool: Peabody Teach (ours) · What it is: A chart that folds, draws strategies, plays sound, keeps a class fact map and runs a team game; 1 to 10, 12, 15 or 20 · Prints?: Four versions, Letter or A4 · Ads or sign-in: No ads, no sign-in · Who it suits: A projected whole-class lesson, then a printout for the binder
- Tool: Mr Barton Maths · What it is: An interactive grid with shading, arrays and a practice mode, plus 63 investigation questions · Prints?: Four ways · Ads or sign-in: Says it needs no login. Ads not stated · Who it suits: A teacher who wants one grid for a whole unit
- Tool: SmartOnlineGames · What it is: Row and column highlight, pattern toggles, timed and fill-in practice · Prints?: Not stated · Ads or sign-in: Says no ads and no login · Who it suits: A quick, clean practice session
- Tool: Toy Theater · What it is: A paint-and-tap chart with the equation at the bottom · Prints?: No (links elsewhere) · Ads or sign-in: Ads seen · Who it suits: Whole-class pattern talk
- Tool: Visnos · What it is: Multiplication drawn as arrays of coloured shapes · Prints?: Not stated · Ads or sign-in: Not stated · Who it suits: Showing why 4 × 3 and 3 × 4 match
- Tool: Math Learning Center · What it is: Sliders that cut a rectangle into partial products · Prints?: Not stated · Ads or sign-in: Not stated · Who it suits: Showing how a big fact splits
- Tool: Mometrix · What it is: A clickable chart plus many PDFs · Prints?: Yes · Ads or

sign-in: Banner ads for its own products; no sign-in · Who it suits: One page for both chart and printouts

• Tool: Math-Drills · What it is: Printable tables in every range and layout · Prints?: Everything is a printout · Ads or sign-in: Not stated · Who it suits: Teachers who print a lot

• Tool: Memozor · What it is: A hover chart with 24 themes · Prints?: Not on this page · Ads or sign-in: Depends on ads · Who it suits: Children who like choosing a look

• Tool: InkPx · What it is: Clicking a number colours its multiples · Prints?: A Download button · Ads or sign-in: Says no login. Ads not stated · Who it suits: A no-login chart on a phone or tablet

What makes a great multiplication chart for a classroom

• A tap that shows the whole picture. The row and column light up and the equation appears in big type. The ones that show the equation large are easiest to read from the back row.

• A way to cover the answers. Looking a fact up is not the same as recalling it. Mr Barton's grid hides the products and reveals one at random, and TeacherLED lets you hide tiles. Our guide to learning the times tables explains why covering the chart matters, so we will not repeat that here.

• Patterns you can colour. Shade the squares, the evens, the multiples of 3, the last digit. Mr Barton's grid offers a long list of rules, and SmartOnlineGames has toggles for squares, evens, odds, 5s and 10s.

• The turn-around pair. 7 × 8 and 8 × 7 are one fact. Mr Barton's grid has a "Turn round" button, Visnos shows 4 × 3 against 3 × 4, and Peabody's chart folds over its diagonal. This is the idea that makes the chart feel small.

• A split. Seeing 7 × 8 as 5 × 8 plus 2 × 8 is the area model. Mr Barton's grid and the Math Learning Center's Partial Product Finder both let you cut the rectangle.

• More than one printout. A filled chart for the wall, a blank one for practice and a fill-it-in version that gives some facts for free.

• No sign-in and no ads on the big screen. An ad beside a projected chart distracts a whole class.

The best ones, in a few lines each

Mr Barton Maths: Multiplication Grid Explorer

The most complete free chart we read. It has three modes: shade patterns (including primes, cubes and a mystery rule the class guesses), build and split arrays, or hide the products and practise with a keypad. The printouts include a fill-in sheet with an answer page. The page says the tools are free and need no login. The limit: it has a lot to learn, and its cookie banner lists marketing cookies, so check what loads on your school network.

SmartOnlineGames: Multiplication Table Explorer

A free chart for grades 2 to 5. Click a cell to light its row and column, switch on squares, evens, odds and multiples of 5 and 10, then try the timed challenge or the fill-in mode. The page says it has no login and no ads. The limit: the page does not mention printing, sizes or full screen.

Toy Theater: Multiplication Chart

Pick a colour, tap a product, and the product and its factors light up with the equation at the bottom. "Paint ON" keeps several highlights so the class can compare patterns. The limit: the page showed ads, and it does not mention hiding the answers, printing or a quiz.

Visnos: Interactive Multiplication Array

Click the grid and coloured shapes (circles, fish, cards, balls) arrange into groups, so 2 × 6 shows as two groups of six. An Automatic mode steps through the facts at a speed you set, which suits chanting. The limit: it is a picture of multiplication rather than a full chart, and the page does not say who makes it.

The Math Learning Center: Partial Product Finder

Draw a multiplication as a rectangle up to 50 by 50 and drag sliders to cut it into pieces. The partial products update as you move them. The limit: it is not a ready-made times table, so you build the grid yourself.

Mometrix Academy: Multiplication Chart

A clickable chart in 8 by 8, 10 by 10 and 12 by 12 sizes with arrow-key control, then PDFs from 4 by 4 up to 12 by 12 in standard, multicolour and blank versions, plus 1-to-20 sheets and worksheets with answer keys. The limit: the page carries banner ads for Mometrix study products, and the chart has no quiz.

Math-Drills: Multiplication Tables

If you print, this is the deepest set: tables for 1-12, 0-11 and 13-24 in grey and colour (plus Montessori colours for the first two), filled or with answers omitted, left-handed versions, and "Five Minute Frenzy" grids of mixed-up products for timed recall. The limit: everything is a printout, so there is nothing to project.

Timestables.com: Multiplication Chart

A chart page with a 1-12 grid and a free PDF, and beside it a 15-question quiz with a keypad that lists your mistakes afterwards. The site has about 40 games and free class accounts. The limit: advertisement sections appear on the page.

Math Is Fun: Times Tables

A plain page that explains the tricks for the 2s, 5s, 9s, 10s, 11s and 12s and names the hardest facts (6 × 7, 6 × 8 and 7 × 8). It offers printable 10-times and 12-times tables, including a blank one, and links to a trainer and a test. The limit: the chart itself is a table to read, not something you can tap.

Times Tables Rock Stars

Not a chart but the best-known paid practice game. Questions adapt to each child, with progress heatmaps and live multiplayer. As of 29 October 2026 the maker lists schools at £116.80 a year and families at £9 a year. The limit: it costs money and has a log-in, and the pages we read show no multiplication chart.

Eight ways teachers use a multiplication chart

1. The ten-second hunt. Project the chart, say "find 6 × 7", count down ten seconds, then tap it.
2. Count along. Pick a number and skip count along its row while the class says each multiple aloud.
3. Colour the multiples. Shade the 3s, then the 6s, then the 9s, and ask what the three pictures have in common.
4. Shade a rectangle. Mark the rectangle for 4 × 6 and have students count the squares inside it. That is the area model.
5. Find the twin. Tap 7 × 8, ask for 8 × 7, and ask why the chart is a mirror across the diagonal.
6. Cover and ask. Hide the answers, let partners ask each other, then reveal one to check.
7. Fill it in. Print a version that gives the 1s, 2s, 5s, 10s and the squares, and have students work out the rest from those facts. 6 × 7 is 5 × 7 plus one more 7.
8. Partner game on a blank grid. One student calls a fact and the other writes it in. Use the 1 to 10 chart for younger students so they do not meet 12 × 12 too early.

How to choose

- One tool for a whole unit: Mr Barton's grid, if you have a few minutes to learn it.
- A clean projector: SmartOnlineGames or Peabody. Both say they have no ads.
- A whole-class game on the chart: Peabody's Call a fact, with a think-time ring and two teams.
- Printing in every shape: Math-Drills or Mometrix, or mathmultiplicationtables.com for free PDF charts up to 1-20.
- Showing why a fact works: Visnos or the Math Learning Center.
- Practice after the chart: the quiz beside the Timestables.com chart, Mr Barton's practice mode or SmartOnlineGames.

- Whatever you pick: use no student names. Several sites use accounts, and many pages do not say what they store.

What we built and why

Peabody Teach has a free multiplication chart for 1 to 10, 12, 15 or 20, and we rebuilt it after reading the charts above. As of 29 October 2026, this is what it does.

- Fold the chart. Press Fold and the lower half of the chart lifts and turns over the diagonal like a closing book, so every fact lands on its turn-around twin. The squares on the diagonal stay put, and the count reads 78 facts, not 144. Tap any square and its twin gets a dashed ring.
- Hear the chart. Sound is off until you turn it on. Then each square plays a note chosen by the last digit of its answer, and Play the row lights a row square by square as it plays. The nines walk down the scale and land on the low home note at 90, the fives bounce between two notes, and the 3s and 7s play the same tune in opposite directions.
- Break it apart. Tap a fact and press B: the chart outlines the pieces and writes the sentence. 7 × 8 is 5 × 8 = 40 and 2 × 8 = 16. 9 × 6 is 10 × 6 take away one 6. 6 × 7 is 6 × 6 and one more 6. Press B again for another way.
- Our facts. Tick the facts your class knows and a bar counts them (41 of 78, say). The map has no names and stays in your browser and your Share link. Print it as Our class chart for the wall.
- Call a fact. A whole-class game on the chart. Pick the tables and a think time; the chart hides its answers and lights one square with a ring that empties. Space reveals the answer, and each answer paints a piece of a hidden picture drawn the same on both sides of the diagonal, so a fact and its twin uncover the same colour. Two teams can keep points.
- Twelve pattern cards. The nines, the fives, odd times odd, where 24 lives and more. Each card sets the chart up in one click, puts its question on the board, and has a note for the teacher. Every claim on the cards is checked by computation in our tests.

It still does what it did before: tap a square to light its row and column, hide the answers and reveal them one at a time, skip count, colour by multiples, squares, even and odd or last digit, and print a filled chart, a fill-it-in sheet or a blank grid on Letter or A4. There is no sign-in and no ads.

We rank it second on our own list, behind Mr Barton Maths. Mr Barton's grid still has more depth for an investigation unit: 63 questions to our 12, primes and cubes and a mystery rule among its shading options, and a keypad practice mode for one pupil at a time. We built for the moment the whole class is looking at the same chart.

Try Peabody's multiplication chart, or read the full Top 20 free multiplication charts and times-table tools. For the kids' side, Peabody's free stories and times table practice start from the front page.

Questions teachers ask

What is the best free multiplication chart?

We rank Mr Barton Maths' Multiplication Grid Explorer first: patterns, arrays, hidden products, four print options and 63 investigation questions. Peabody's chart is a close second and the one built for a whole-class lesson on the projector: it folds, draws strategies, plays sound, keeps a class fact map and runs a team game, with no ads. SmartOnlineGames is another clean chart with no ads.

Is there a free interactive multiplication chart with no ads?

SmartOnlineGames says it has no ads and no login, and Peabody's chart has none. Toy Theater and Mometrix showed ads on the pages we read, and Memozor says it depends on advertising.

Where can I print a multiplication chart for free?

Math-Drills has the widest range, including left-handed versions. Mometrix has PDFs from 4 by 4 to 12 by 12, and mathmultiplicationtables.com has charts up to 1-20. Peabody prints filled, fill-in and blank charts on Letter or A4, plus a poster of the facts your class knows.

How many facts are on a 12 by 12 chart?

The chart has 144 squares but only 78 different facts, because 7 × 8 and 8 × 7 are the same fact. A 10 by 10 chart has 55. Our guide shows the order to learn them in.

Which free tool lets students practise on the chart?

Mr Barton's practice mode and the SmartOnlineGames fill-in mode both work on the grid itself, for one pupil at a time. Peabody's Call a fact turns the chart into a whole-class game with a think-time ring. Timestables.com has a quiz beside its chart. For more practice, see Peabody's free times tables practice.

Is Peabody's multiplication chart free?

Yes. It is free through the end of 2026, with no sign-in and no ads. Sound is off until you turn it on, and nothing about your class leaves your browser.

Free at peabody.kids/blog/best-free-multiplication-charts