Mathletics

Mathematics at Home

Ages: 11-13

Mathematics at Home

Classroom Project Ideas

Suitable for ages 11-13

What's included in this pack?

- 2-week student activity sheet
- 2-week blank activity sheet template
- Student achievement badges
- Parent letter

How do I use this resource?

Time to complete:
2 weeks

Before students start:
Send or email the parent letter home to students' parents/carers.

Week 1:
Ask your students to pick two activities to complete at home for each day of the week (Monday –Friday).

Week 2:
Ask your students to complete the remaining two activities for each day of the week.

As they complete the activities, they will either circle or colour in the square on their grid and at the end of the two weeks, each of your students will have completed all the activities.

Reward student effort
Email your student achievement badges to students to acknowledge all their hard work at home.
You can award your students for anything — get creative, they'll love it!
Achievement ideas for student awards:

- Completed all activities over the 2 weeks
- Most creative in an activity (e.g. paper shapes artwork)
- Funniest mathematics rap

Tip!
Ask students to take photos of the activities they work on at home to share with the rest of the class.

Extra activity
Regroup with your students at the end of each week to discuss the activities they completed and how it links back to mathematics.

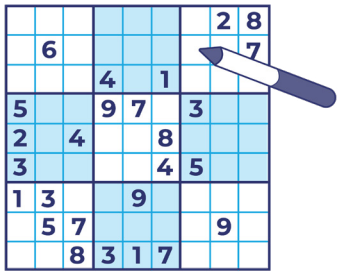
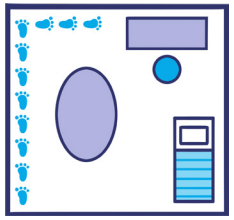
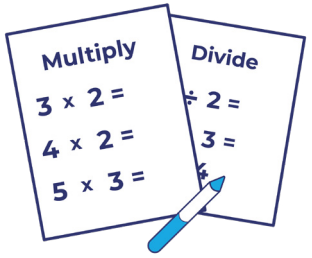
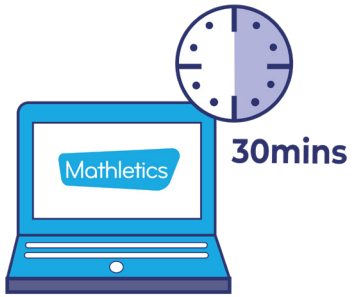
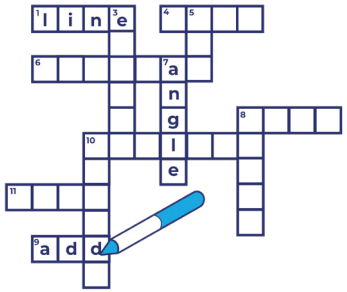
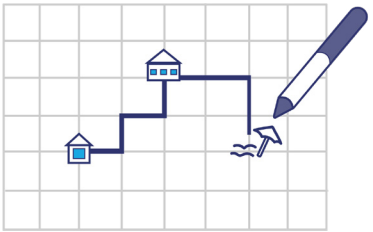
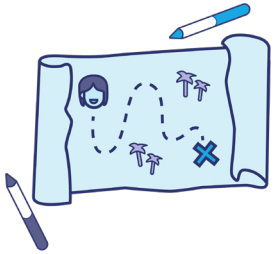
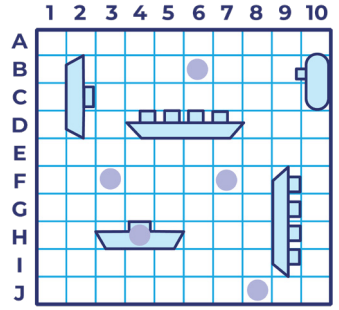
Student Activity Sheet

Ages 11–13

Mathletics

Name:	

Pick 2 activities to complete each day (see next page for more activities to choose from). Circle or colour in the activity when you have completed it.

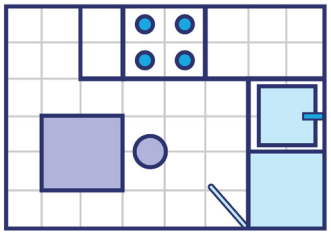
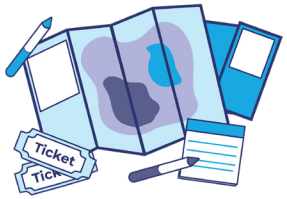
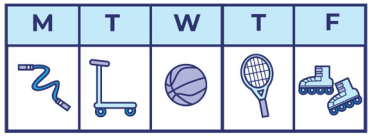
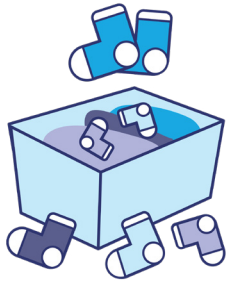
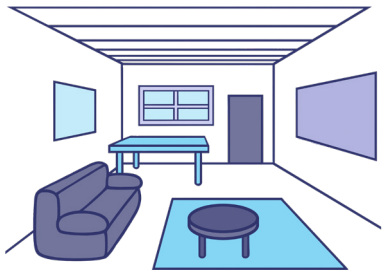
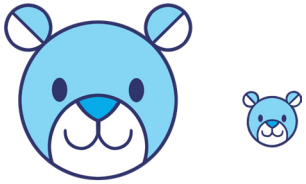
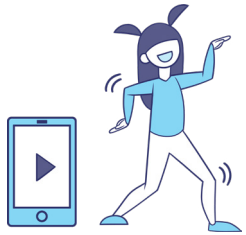
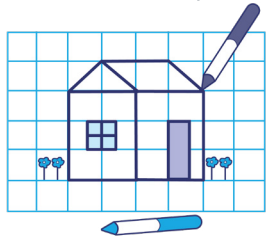
Monday	Tuesday	Wednesday	Thursday	Friday
Serious Sudoku-ing Find a sudoku online, in a newspaper or a sudoku book and complete it. 	**Cooking Creations** Find a recipe and make it for 5 people. You'll need to adjust some of the measurements to make enough! *Note: Adult supervision required*	**Measuring Madness** Measure the perimeter of all the rooms in your house. You can use a measuring tape or your feet to measure. Which room is the biggest? **Answer:** _____ 	**Family at Work** Make a multiplication and division worksheet for a family member or friend to complete. Use your mathematics facts! 	**Online Learning** Find a fun online mathematics game to play for 30 minutes. 
Crossword Make your own crossword using mathematics definitions. Have a minimum of 10 clues. 	**Mapping Mission** Find a place you want to visit on a map. Use the map's scale to figure the distance between your house and your destination. 	**Find-a-Word** Make your own find-a-word using mathematics words and get someone at home to complete it. 	**Map It** Create your own treasure map with coordinates. You might like to hide some treasure in your house or backyard for your family to find! 	**Battleship Battle** Test your coordinate skills with a game of battleships! 

Student Activity Sheet

Ages 11–13

Name:	

Pick 2 activities to complete each day (see next page for more activities to choose from).
Circle or colour in the activity when you have completed it.

Monday	Tuesday	Wednesday	Thursday	Friday
Bird's Eye View Draw a bird's eye view of your kitchen and label all parts with their length. What is the floor area? Use area to help solve this one! 	**Mathematics Rap** Write your own mathematics rap to help you remember a concept. Record it to share with the class. 	**Day Trip Planning** Plan a day trip visiting three different local places using timetables, opening hours, ticket prices etc. Calculate how long you can spend at each place, how long travel time between each place is and how much money you will spend. 	**Fitness Fun** Plan your own fitness timetable for a day or an entire week. Fill it with fun activities that you'd like to do. Try get your entire household involved with your new fitness regime. 	**Laundry Probability** Get a basket of socks to sort. What are the odds of pulling a matching pair? 
Ad-tastic Time how long ads are played during a TV show. Work out what fraction of the whole program was ads. 	**3Dimensions** Draw a 3D picture using some 3D shapes. You could draw a city, or your bedroom – it's up to you! 	**Scale Drawing** Find a simple picture. Draw this same picture on another piece of paper but increase its size using a 5:1 ratio. 	**Mathematics Dance** Make up your own dance to help you remember a mathematics concept. Get an adult to help you film it and share it with the class.  *Note: Adult supervision required*	**Daytime Designer** Draw your own architectural masterpiece using your knowledge of angles and measurement. Look at some cool architectural buildings on the internet for inspiration. 

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MATHEMATICS MASTER
Awarded to:
For:

MATHEMATICS
SUPERSTAR
Awarded to:
For:

OUTSTANDING EFFORT!
Awarded to:
For:

FANTASTIC WORK!
Awarded to:
For:

Mathletics

Our class will soon be starting a two-week 'Mathematics at Home' project.

'Mathematics at Home' is a fun way to get students excited about mathematics outside of the classroom and start thinking about how mathematics can be used in the real world.

How does the activity work?

Every day (Monday to Friday), for two weeks, your child will be asked to complete two activities from a bank of activities provided on a worksheet.

These activities require minimal preparation and are designed to be simple, short in duration and cover a range of mathematics skills.
You can find the worksheet attached to this email –remember to save it somewhere quick and easy to access.

Family involvement

Your involvement in the project would be greatly benefit for your child's learning, but it's understandable if you have other obligations. While the majority of projects can be worked on by students on their own, I would be grateful if you could make yourself available for the few activities that rely on your supervision.

Finally, we'd love to see our students having fun with these activities, so please share as many enjoyable moments and incredible creations with us as possible!

Warm regards,