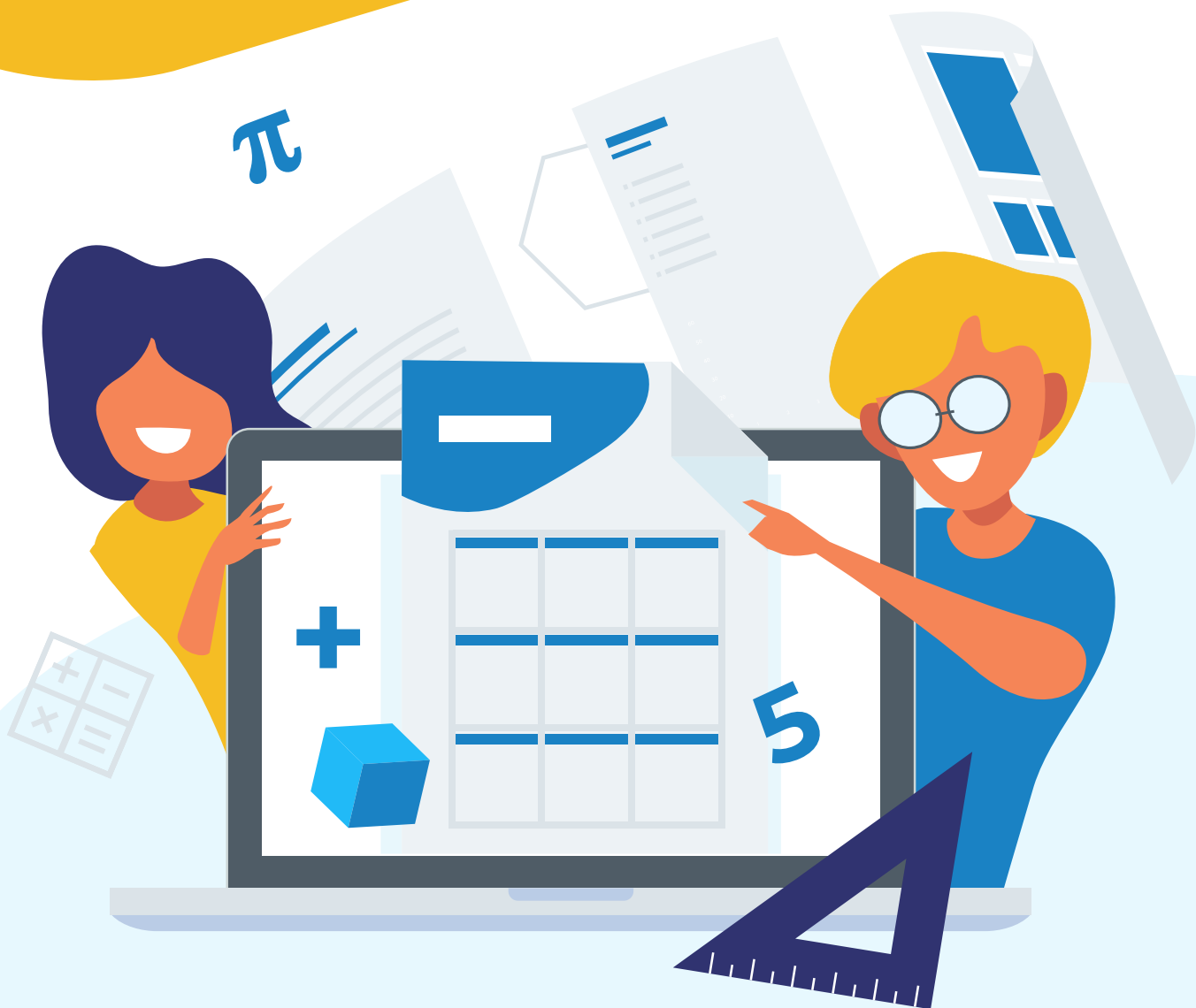


Mathletics

Choice Board Activity Pack



About this resource

Giving your students choice is a quick and easy way of differentiating their learning. You can provide an activity for every level of ability, and they can choose the one that engages them most.

That's why we've created these choice boards for three mathematics fundamentals. After you've given your initial instruction, let students choose an activity off the board to consolidate their knowledge of the concept. Once they've completed one, they can move onto another.

We've kept all the activities as simple and self-explanatory as possible so they can run at the same time, but feel free to adapt or scrap them so they suit the unique needs of your class.

What's included?

- Choice board lesson plan template
- Choice board - fractions
- Choice board – multiplication and division
- Choice board – addition and subtraction

Date:	Class/Group:	Time:	Room:
Topic:			
Curriculum links: List here the curriculum descriptors or content this lesson is targeting.		Specific Objectives/Learning Goals: What specific learning do you want to see by the end of this lesson? How will it be evidenced by students?	
Prior Learning: <ul style="list-style-type: none"> This lesson should take place after students have been introduced to the learning content via direct instruction. 		Resources, materials, and technologies required: <ul style="list-style-type: none"> Choice boards (attached) Mathletics worksheets (attached) Optional: LMS or gamified learning programs for homework 	
Instructional Steps			
<p><i>Recall prior learning</i></p> <ul style="list-style-type: none"> A Check for understanding of the concept as it was introduced in the previous lesson(s). <p><i>Instructional input</i></p> <ul style="list-style-type: none"> Explain the choice boards and their purpose. Let students know everyone will be working toward the same goal, but everyone can choose the activity that they find most fun/interesting/challenging. <p><i>Let students choose an activity</i></p> <ul style="list-style-type: none"> Get a show of hands for each activity to ensure the task is understood. <p><i>Group students</i></p> <ul style="list-style-type: none"> Group students together according to their chosen activities. Tip: put a sign or marker on each desk group so students know where to sit depending on their chosen activity. <p><i>Independent work time</i></p> <ul style="list-style-type: none"> You might let students attempt multiple activities. Instruct them to put their hand up when they finish one so you can check for understanding before they move onto the next. <p><i>Each group provide an exemplar</i></p> <ul style="list-style-type: none"> Ask each group to provide an exemplar of their chosen activity they can share with the rest of the class. Indicate next part of the learning sequence (i.e. outline next lesson). <p><i>Collect as exit ticket</i></p> <ul style="list-style-type: none"> Each student chooses a piece of work from the lesson that best demonstrates their understanding. Submit to teacher. 			
Homework: Use Mathletics to batch assign differentiated tasks. These can be selected from the Mathletics library of worksheets and lessons. Alternatively, you can assign differentiated resources of your own via an LMS.			

Fractions Choice Board

Mathletics

Battle cards	The pizzeria	Kitchen creativity
<p>Choose a partner and take two cards each from a regular set of playing cards (no looking!).</p> <p>Place them one on top of the other with a pencil in between and see who ends up with the largest fraction!</p>	<p>Create a pizza menu showing all the different slice sizes available.</p> <p>Remember to write the correct fraction underneath for your customers!</p>	<p>Find a recipe with fractions in the ingredients.</p> <p>Change it to make double or triple the amount of food for hungry friends!</p>
Worksheet practice	Self-select	Add up
<p>Ask your teacher for a worksheet to practice your fractions. Compare your answers with a friend after you've finished.</p> <p>Did you get different results? How?</p>	<p>Choose an activity of your own to demonstrate your understanding of fractions.</p> <p>Write about the activity so you can share it with a friend too.</p>	<p>Choose a whole number and see how many different fraction sums you can create which add up to this number.</p>
Fraction patterns	Letter from an expert	Real world fractions
<p>Create a colourful pattern on a sheet of graph paper by filling in the individual squares.</p> <p>Afterward, count how many squares you have of each colour and write it as a fraction.</p>	<p>Write a letter to a friend explaining how they can divide their next birthday cake into fractions.</p> <p>Give them options so they can choose to be fair or greedy!</p>	<p>When do people use fractions in everyday life?</p> <p>Write down as many examples as you can think of.</p>

Multiplication and division choice board

Hands-on	Dice war	Art gallery
<p>Split Play-Doh into blobs and use these to represent a multiplication or division sum.</p>	<p>Roll two dice and compete with a friend to see who can multiply or divide the two numbers the fastest.</p>	<p>Create an artwork or pattern that uses division or multiplication in some way.</p> <p>Make sure you can explain it to your viewers!</p>
Worksheet practice	Self-select	Flashcards
<p>Ask your teacher for a worksheet to practice multiplication and division. Compare your answers with a friend after you've finished.</p> <p>Did you get different results? How?</p>	<p>Choose an activity of your own to demonstrate your understanding of multiplication and division.</p> <p>Write about the activity so you can share it with a friend too.</p>	<p>Create a set of flashcards so you can practice your times-tables.</p> <p>Tip: decorate them with colour and illustrations so the answers are easier to remember!</p>
What's for dinner?	Word problem	Number talk
<p>Find a recipe or meal you want for dinner, then plan out how you can divide it between all the members of your family as evenly as possible</p>	<p>Create an original word problem that requires multiplication or division to find the answer.</p> <p>Don't forget to work through it and find the answer yourself!</p>	<p>Write step by step instructions for solving a two-digit multiplication sum of your choice (e.g. 45×15).</p>

Addition and subtraction choice board

Fact family chart	Pocket money planner	Author and illustrator
<p>Create a fact family chart showing how three different numbers are related by subtraction and addition.</p>	<p>You've got \$20 to spend. What will it get you? Subtract the prices of the things you want and see how much you have left.</p>	<p>Create a short children's book that teaches a younger sibling or friend how to add and subtract numbers.</p>
Worksheet practice	Self-select	Quizmaster
<p>Ask your teacher for a worksheet to practice multiplication and division. Compare your answers with a friend after you've finished. Did you get different results? How?</p>	<p>Choose an activity of your own to demonstrate your understanding of addition or subtraction. Write about the activity so you can share it with a friend too.</p>	<p>Create a quiz with ten addition and subtraction sums. Make sure you've got the answers right before you test a friend!</p>
Board gamer	Word problem	Shopping list
<p>Create a board game that uses addition or subtraction. Write the rules down so you can play with a friend.</p>	<p>Create an original word problem that requires addition or subtraction to find the answer. Don't forget to work through it and find the answer yourself!</p>	<p>Choose your favorite meal for dinner and add up the cost of the ingredients. How much money will you need?</p>