

Decimal Dominoes

two and six hundredths	0.1
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one tenth	6.001
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Work together.
Match text and
number.

Decimal Dominoes

A simple activity to give children practice in what decimal numbers represent. Developed at our maths development workshop on 12th November 2016. We have included a blank domino template to encourage children to create their own versions to try out on each other.

The webaddress for this activity is:

<http://www.collaborativelearning.org/decimaldominoes.pdf>

Last updated 12th November 2016

Our collaborative talk for learning activities are designed to:

...build on prior knowledge.

...move from concrete to abstract thinking.

...ensure everyone works with everyone else.

...extend social language into curriculum language.

...provide motivating ways to go over the same topic more than once.

For more details go to: www.collaborativelearning.org

COLLABORATIVE LEARNING PROJECT

Project Director: Stuart Scott

We support a network of teaching professionals throughout the European Union to promote inclusive education. We develop and disseminate accessible talk-for-learning activities in all subject areas and for all ages.

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BRIEF SUMMARY OF BASIC PRINCIPLES BEHIND OUR TEACHING ACTIVITIES:

The project is a teacher network, and a non-profit making educational trust. Our main aim is to develop and disseminate classroom tested examples of effective group strategies that promote talk across all phases and subjects. We hope they will inspire you to develop and use similar strategies in other topics and curriculum areas. We want to encourage you to change them and adapt them to your classroom and students. We run teacher workshops, swapshops and conferences throughout the European Union. The project posts online many activities in all subject areas. An online newsletter is also updated regularly.

*These activities are influenced by current thinking about the role of language in learning. They are designed to help children learn through talk and active learning in small groups. They work best in non selective classes where children in need of language or learning support are integrated. They are well suited for the development of speaking and listening. They provide teachers opportunities for assessment of speaking and listening.

*They support differentiation by placing a high value on what children can offer to each other on a particular topic, and also give children the chance to respect each other's views and formulate shared opinions which they can disseminate to peers. By helping them to take ideas and abstract concepts, discuss, paraphrase and move them about physically, they help to develop thinking skills.

*They give children the opportunity to participate in their own words and language in their own time without pressure. Many activities can be tried out in pupils' first languages and afterwards in English. A growing number of activities are available in more than one language, not translated, but mixed, so that you may need more than one language to complete the activity.

*They encourage study skills in context, and should therefore be used with a range of appropriate information books which are preferably within reach in the classroom.

*They are generally adaptable over a wide age range because children can bring their own knowledge to an activity and refer to books at an appropriate level. The activities work like catalysts.

*All project activities were planned and developed by teachers working together, and the main reason they are disseminated is to encourage teachers to work more effectively with each other inside and outside the classroom. They have made it possible for mainstream and language and learning support teachers to share an equal role in curriculum delivery. They should be adapted to local conditions. In order to help us keep pace with curriculum changes, please send any new or revised activities back to the project, so that we can add them to our lists of materials.

Decimal Dominoes

Ways to play

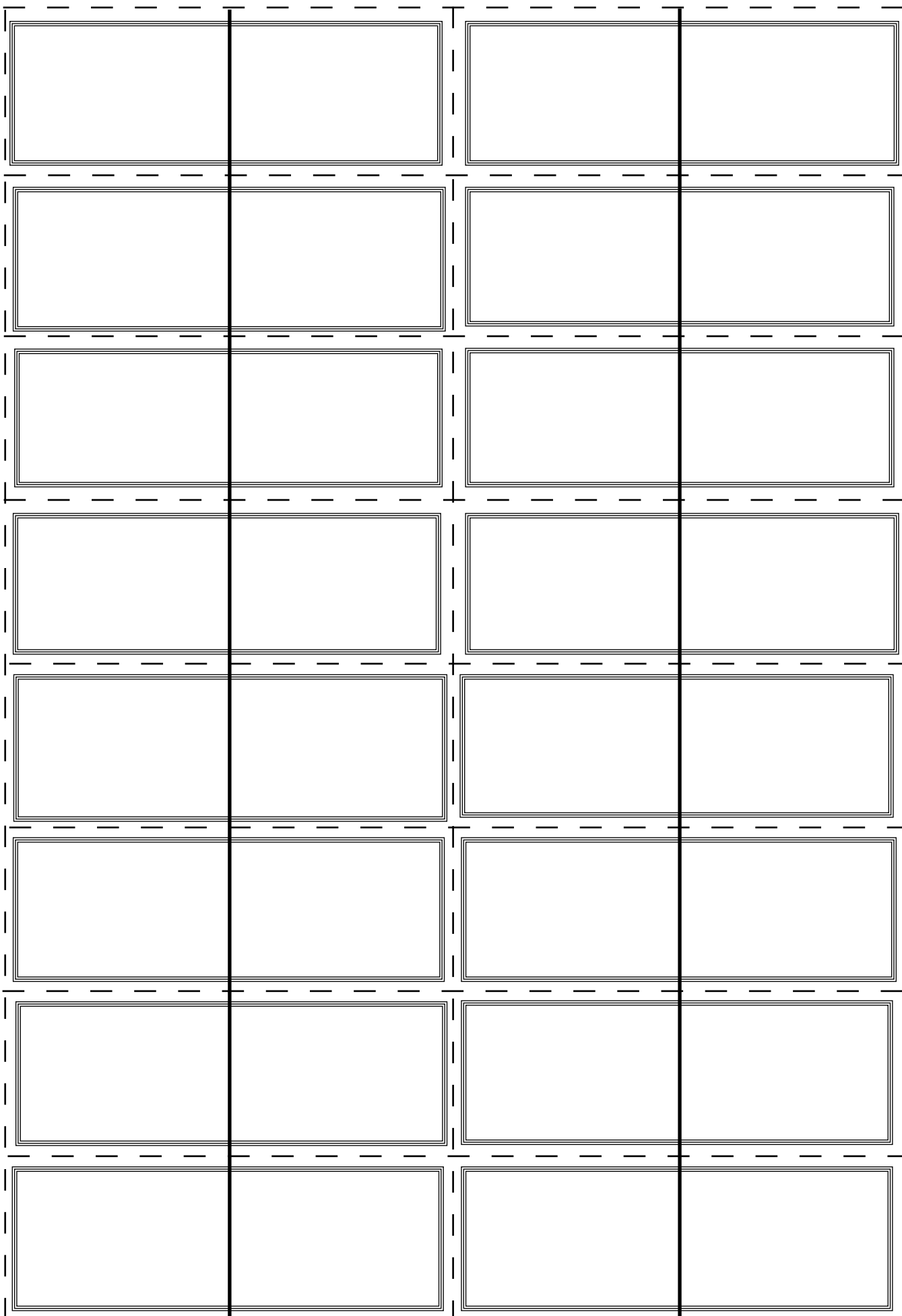
Two or three participants can work together to make the dominoes loop as quickly as possible using a timer to check their time. Two teams can compete. Pairs or threes can devise their own versions to try out on other members of the class. You will we hope end up with enough versions for the whole class to compete with each other.

Decimal Dominoes

Cut out dominoes along dotted lines

ninety-nine and nine tenths	0.375	three hundred and seventy five thousandths	2.06
two and six hundredths	0.1	one tenth	6.001
six and one thousandth	9.999	nine and nine hundred and ninety nine thousandths	17.32
seventeen and thirty two hundredths	23.7	twenty-three and seven tenths	33.33
thirty-three and thirty-three hundredths	40.004	forty and four thousandths	0.027
twenty-seven thousandths	515.7	five hundred and fifteen and seven tenths	1100.17
one thousand one hundred and seventeen hundredths	411.006	four hundred and eleven and six thousandths	798.06
seven hundred and ninety-eight and six hundredths	3.4	three and four tenths	99.9

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Cut out dominoes along dotted lines