

A close-up photograph of a large pile of unsorted Lego bricks. The bricks are in various colors including red, green, yellow, orange, blue, and grey. They are of different shapes and sizes, some with studs on top and some with holes. The bricks are scattered and overlapping, creating a textured, colorful background.

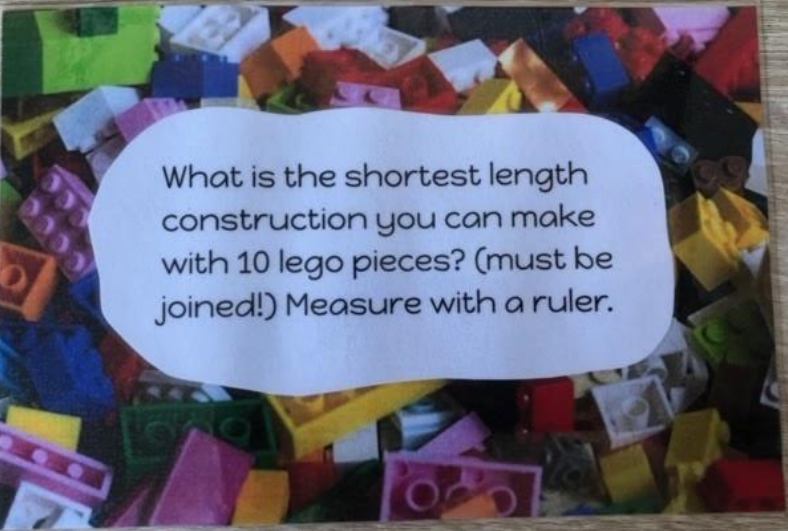
Lego Challenge

Set a different lego challenge everyday

Interactive Maths


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to start a daily challenge





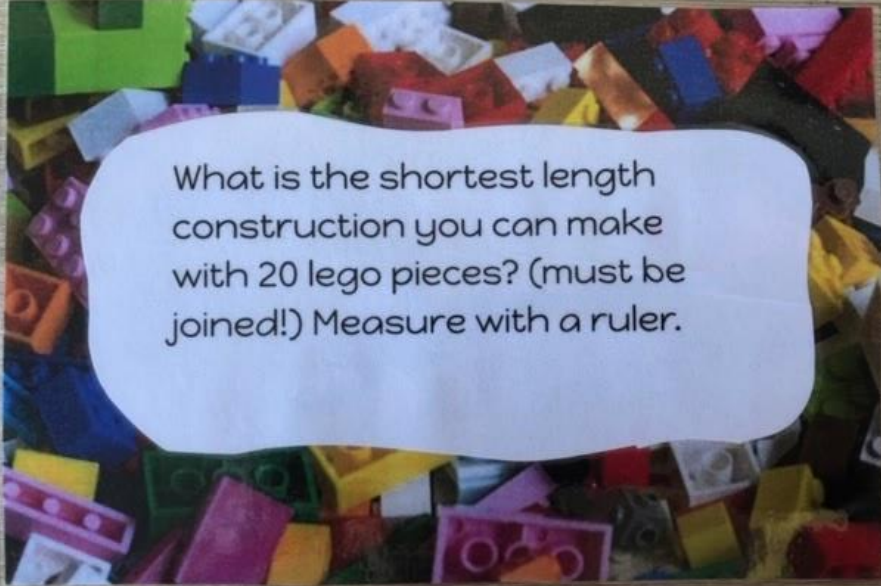
What is the shortest length construction you can make with 10 lego pieces? (must be joined!) Measure with a ruler.

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Make a shape out of lego pieces that has an area of 32 studs.

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What is the shortest length construction you can make with 20 lego pieces? (must be joined!) Measure with a ruler.



Make a shape out of lego pieces that has a perimeter of 100 studs.




Join 10 different lego pieces together and find out how many studs altogether in the construction.

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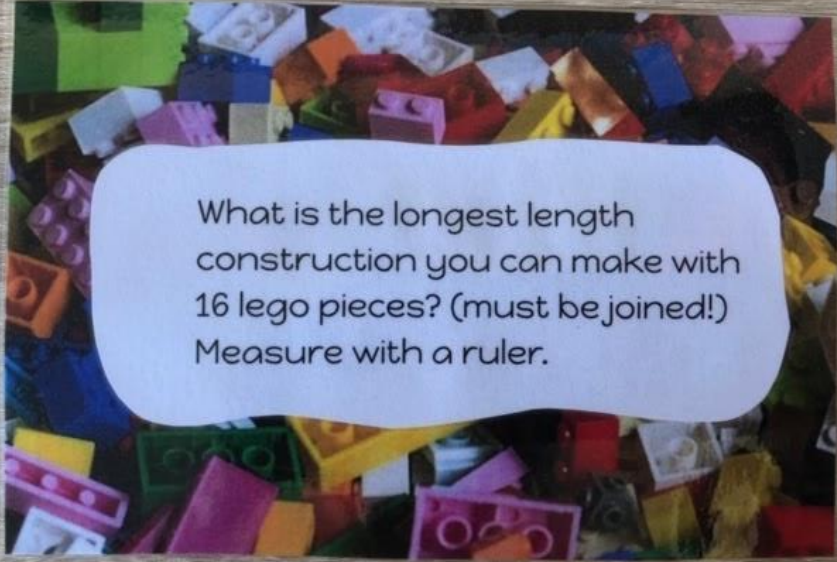


Make a shape out of lego pieces that has an area of 16 studs.

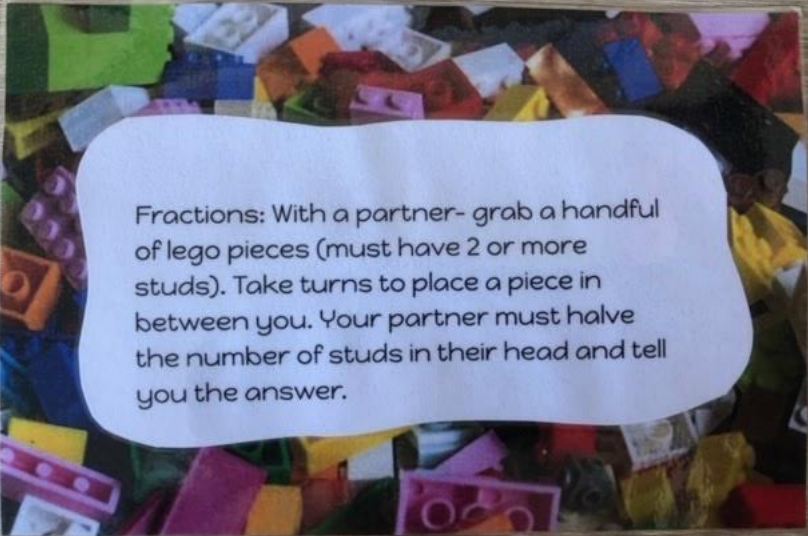
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A photograph of a large pile of various colored LEGO bricks (red, yellow, blue, green, pink, white, black) scattered on a light-colored wooden surface. A white speech bubble is overlaid on the image.

Join 12 different lego pieces together and find out how many studs altogether in the construction.

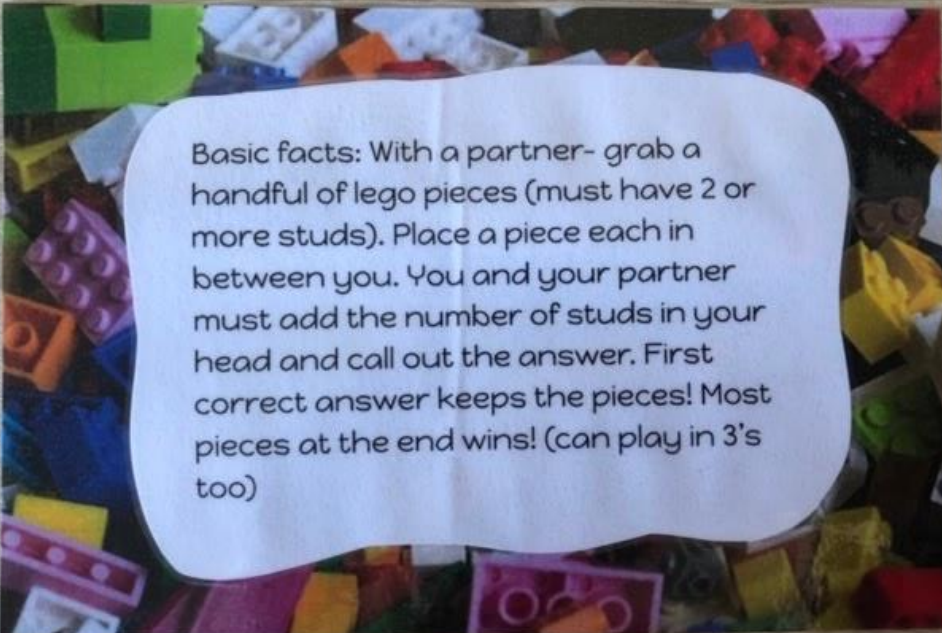
A photograph of a large pile of various colored LEGO bricks (red, yellow, blue, green, pink, white, black) scattered on a light-colored wooden surface. A white speech bubble is overlaid on the image.

What is the longest length construction you can make with 16 lego pieces? (must be joined!)
Measure with a ruler.




Fractions: With a partner- grab a handful of lego pieces (must have 2 or more studs). Take turns to place a piece in between you. Your partner must halve the number of studs in their head and tell you the answer.

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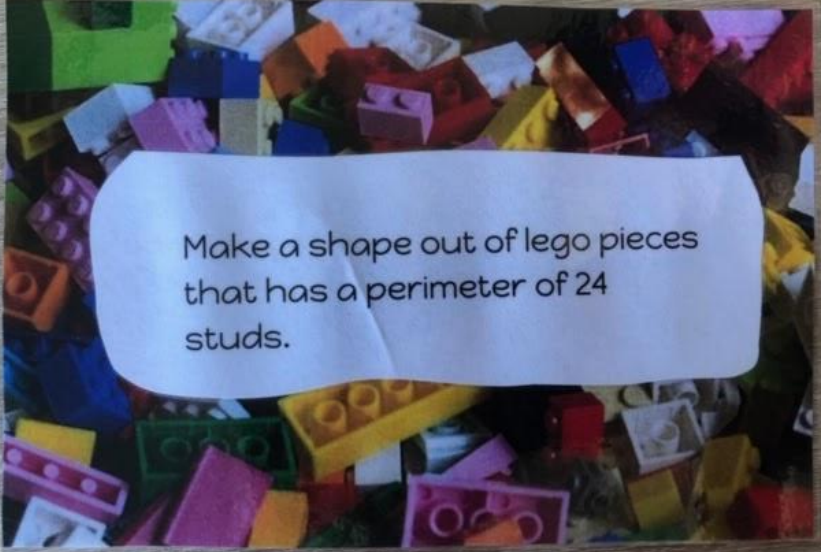


Basic facts: With a partner- grab a handful of lego pieces (must have 2 or more studs). Place a piece each in between you. You and your partner must add the number of studs in your head and call out the answer. First correct answer keeps the pieces! Most pieces at the end wins! (can play in 3's too)

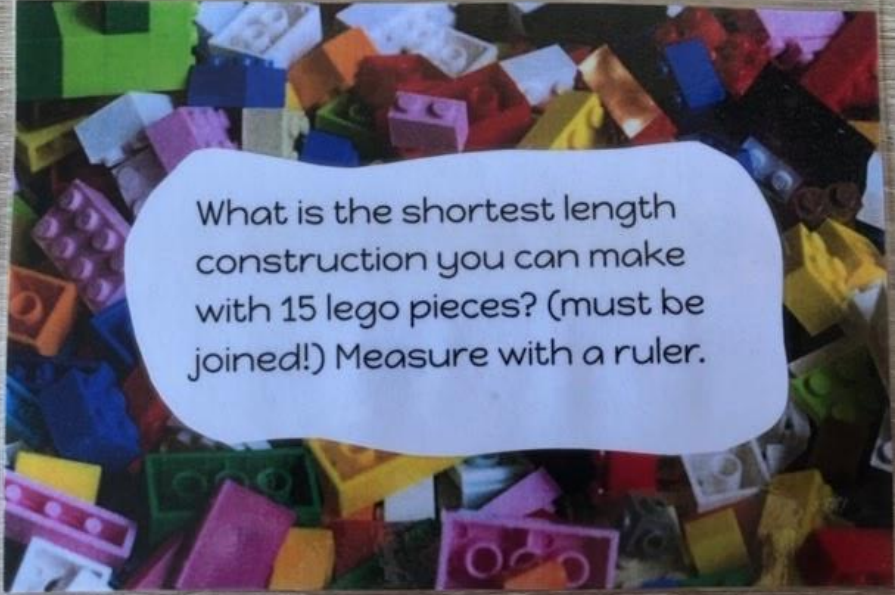
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Join 8 different lego pieces together and find out how many studs altogether in the construction.

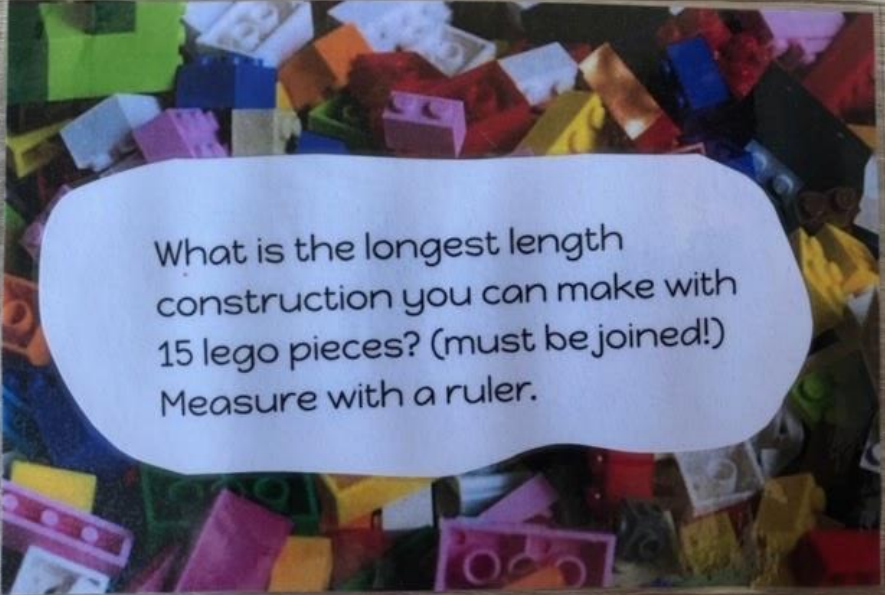


Make a shape out of lego pieces that has a perimeter of 24 studs.



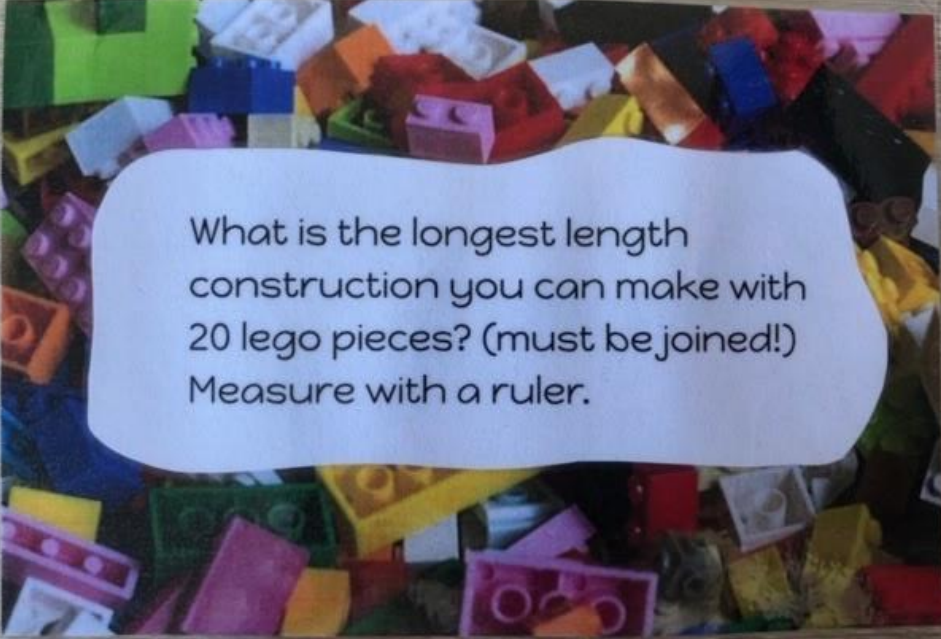
What is the shortest length construction you can make with 15 lego pieces? (must be joined!) Measure with a ruler.

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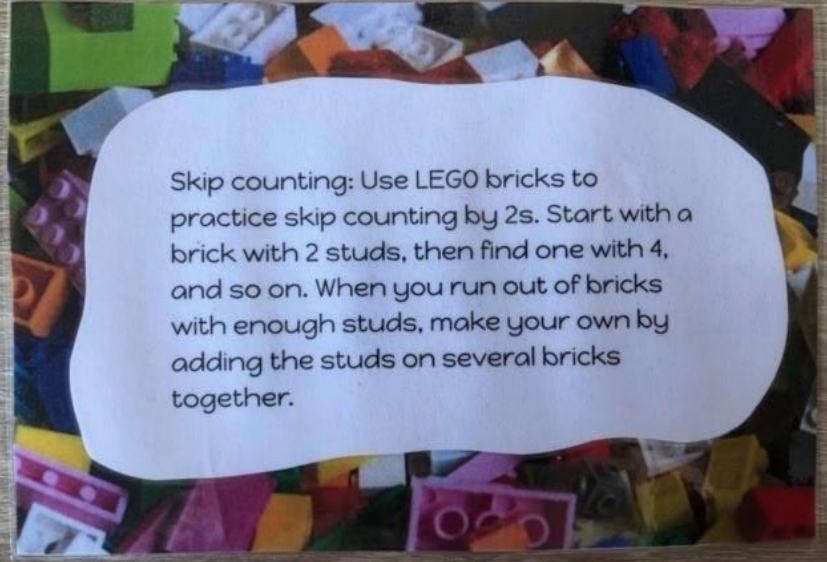


What is the longest length construction you can make with 15 lego pieces? (must be joined!) Measure with a ruler.

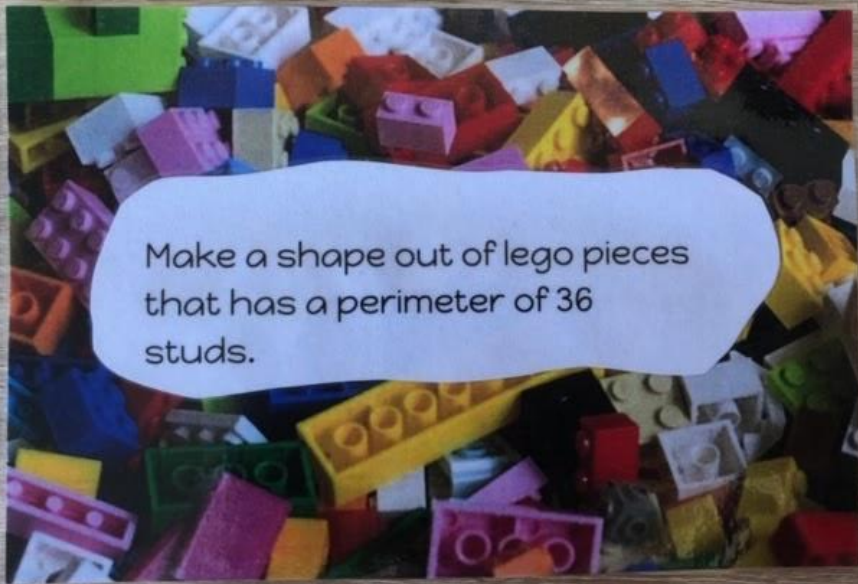
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A photograph of a large pile of multi-colored LEGO bricks (red, blue, yellow, green, pink, white, and black) scattered on a light brown wooden surface. A white, cloud-shaped text box is overlaid on the center of the image.

What is the longest length construction you can make with 20 lego pieces? (must be joined!)
Measure with a ruler.

A photograph of a large pile of multi-colored LEGO bricks (red, blue, yellow, green, pink, white, and black) scattered on a light brown wooden surface. A white, cloud-shaped text box is overlaid on the center of the image.

Skip counting: Use LEGO bricks to practice skip counting by 2s. Start with a brick with 2 studs, then find one with 4, and so on. When you run out of bricks with enough studs, make your own by adding the studs on several bricks together.




Make a shape out of lego pieces
that has a perimeter of 36
studs.

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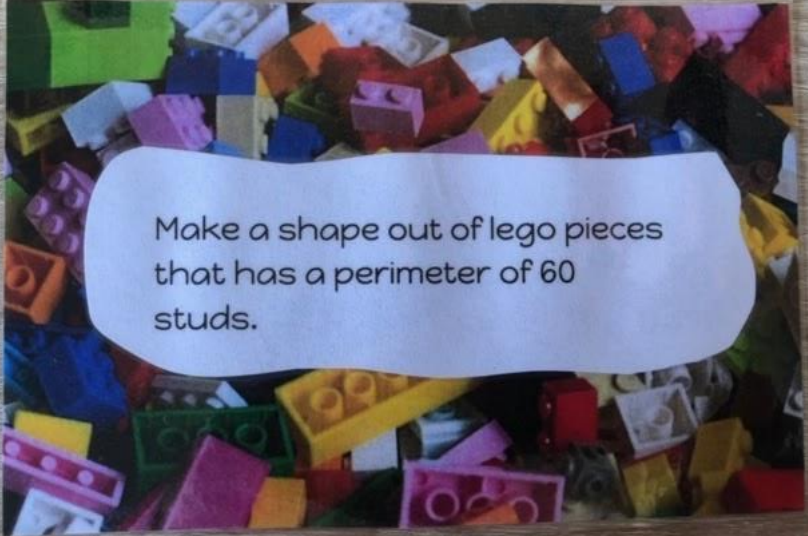


Join 5 different lego pieces
together and find out how
many studs altogether in the
construction.

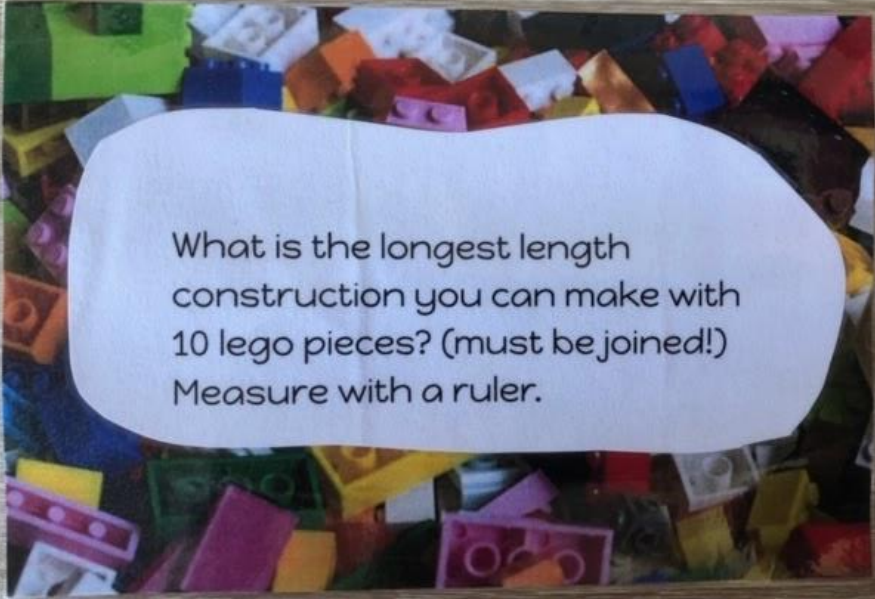
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Dice building: with a partner, take turns to roll a dice and get a lego piece with the same number of studs as the dice number. Each turn, add the new piece to the construction. After 10 rolls each, compare and discuss who has the tallest / longest / widest / most studs / on their construction.

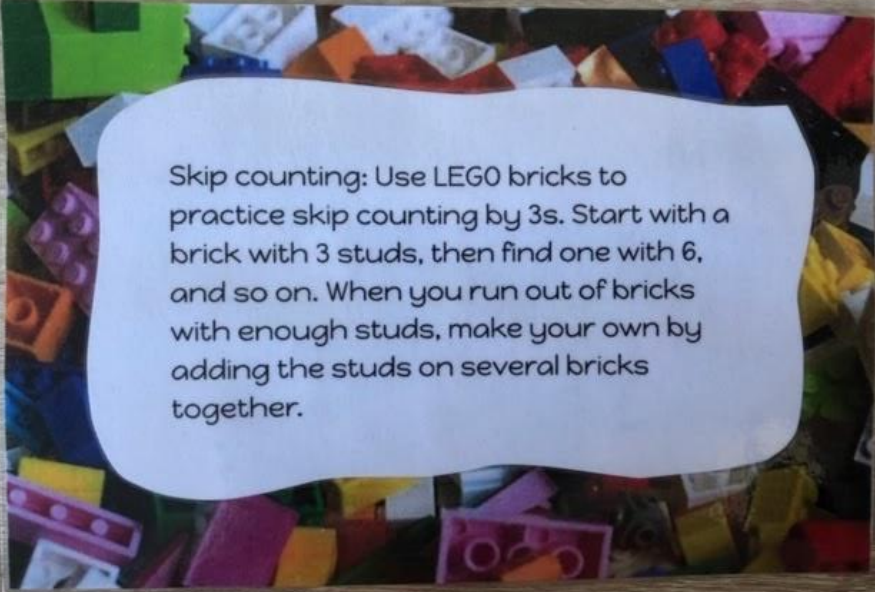


Make a shape out of lego pieces that has a perimeter of 60 studs.



What is the longest length
construction you can make with
10 lego pieces? (must be joined!)
Measure with a ruler.

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challenge



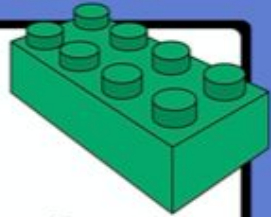
Skip counting: Use LEGO bricks to
practice skip counting by 3s. Start with a
brick with 3 studs, then find one with 6,
and so on. When you run out of bricks
with enough studs, make your own by
adding the studs on several bricks
together.

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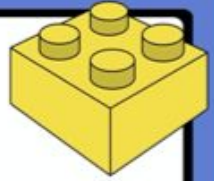
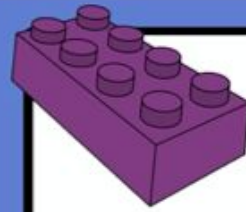
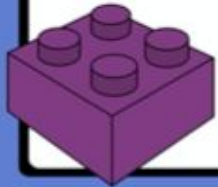


Creative challenges

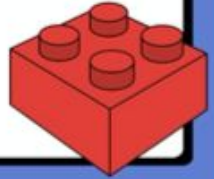
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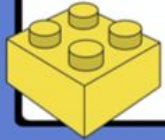
Build your favorite fruit
and see if a friend can
guess it.



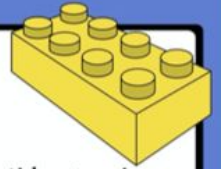
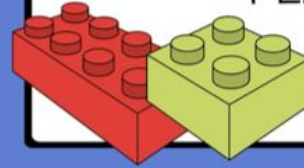
Make a LEGO bridge.



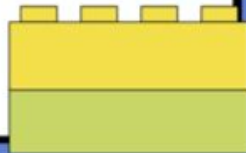
Make a
pattern with LEGOS.



Build something with just
4 LEGOS.



Make a LEGO tree that
stands on its own.

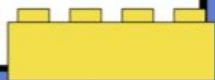


Build the tallest LEGO
tower you can without it
falling over.

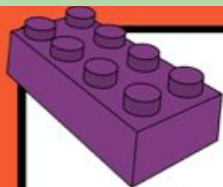




Create a dinosaur.



Fill the rectangle below
without going over its edges.


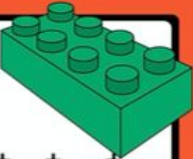


Build a triangle that is the
same length on two sides.



Build a rainbow.





Make something that starts
with the letter B.



Build a LEGO tic-tac-toe
board and then play a
game with it.



Build a flower.



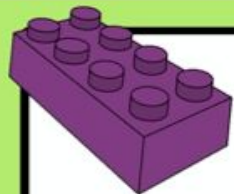
Make an upside down
house.



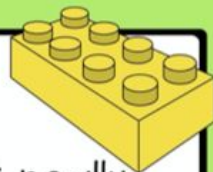
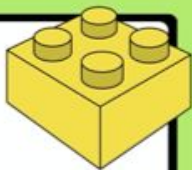
Grab a handful of LEGOS
and build something using
every single piece.



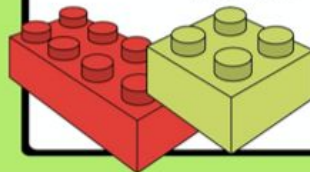
Build something that flies.



Make something that is
symmetrical – the same
on both sides.



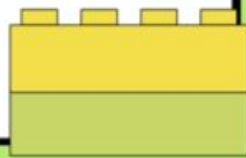
Make a boat that really
floats in water.



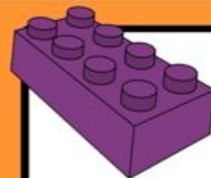
Make a LEGO car that
really drives.



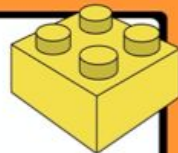
Build a LEGO pyramid.



Make a parachute LEGO
man that really flies.



Make a marble maze and
challenge a friend to
solve it.

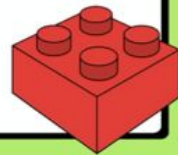




Build something made
entirely of blue LEGOS.



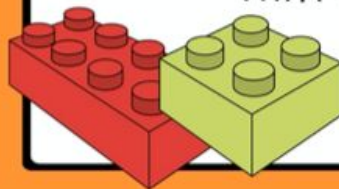
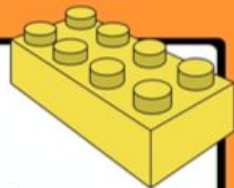
Build your name with
LEGOS.



Build something while you
are blindfolded.



Make a musical instrument
with LEGOS.





Make a miniature model of
your house.

