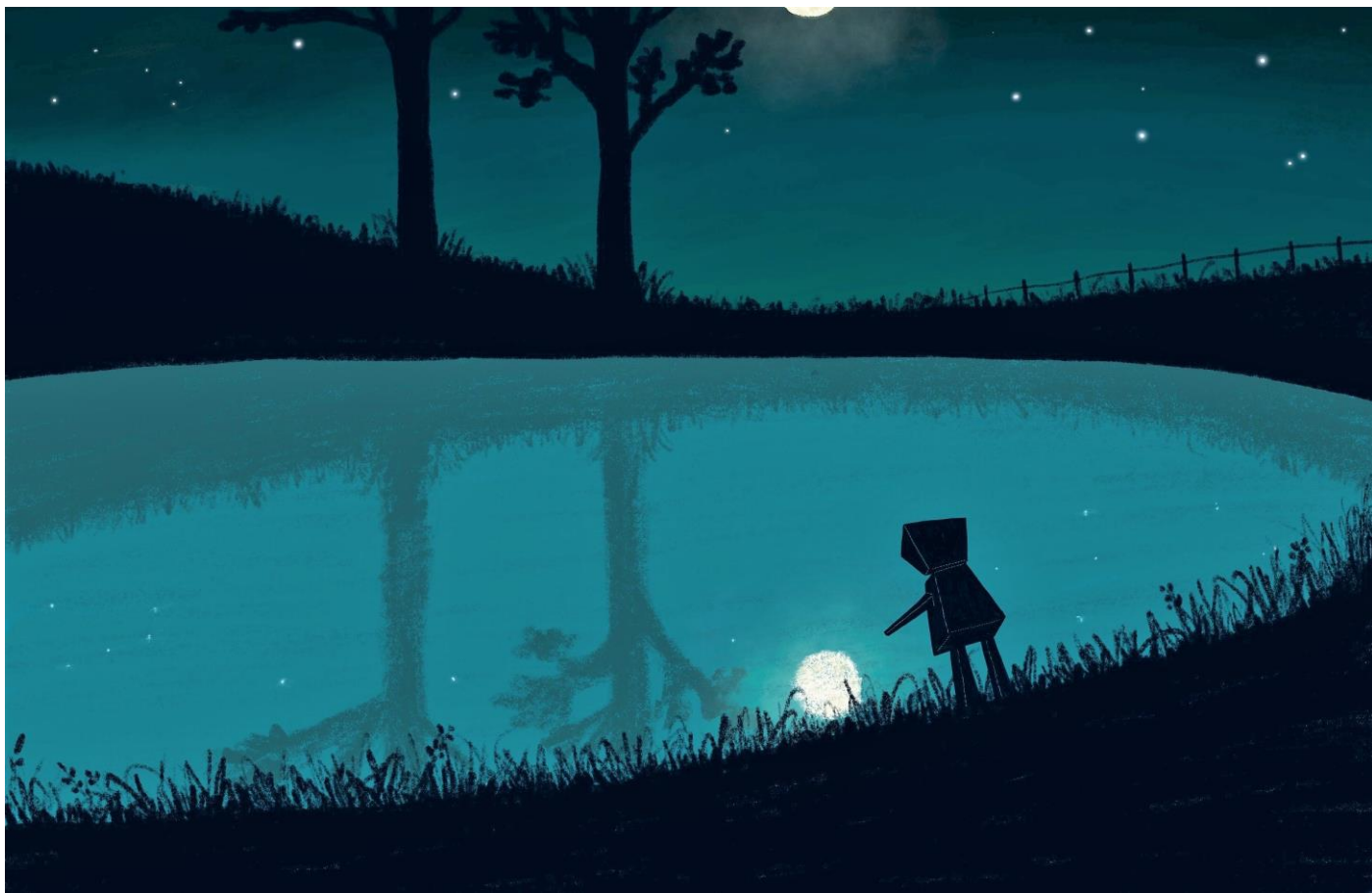


Little Robot and The Moon



The moon was so far away yet felt so close.

This gave Little Robot an idea!

Now every night Little Robot takes a trip to the pond to sit side by side with her best friend the moon...

Phases of the Moon Game



Our moon doesn't shine, it reflects. What we see is sunlight reflected off the moon.

But we can't always see it!

As the moon circles the Earth, we only see a portion of the lit up side. When we see 100% of the lit up side, this is a full moon and when we can't see any of the lit up side, this is a new moon. There are 8 phases of the moon.

- new moon
- waxing crescent
- first quarter
- waxing gibbous
- full moon
- waning gibbous
- third quarter
- waning crescent

Around once a month (every 29.5 days) the phases of the moon make a complete cycle.



Why not play a game to find the phases of the moon (and explore your 8 times table at the same time!)

Why is this maths?

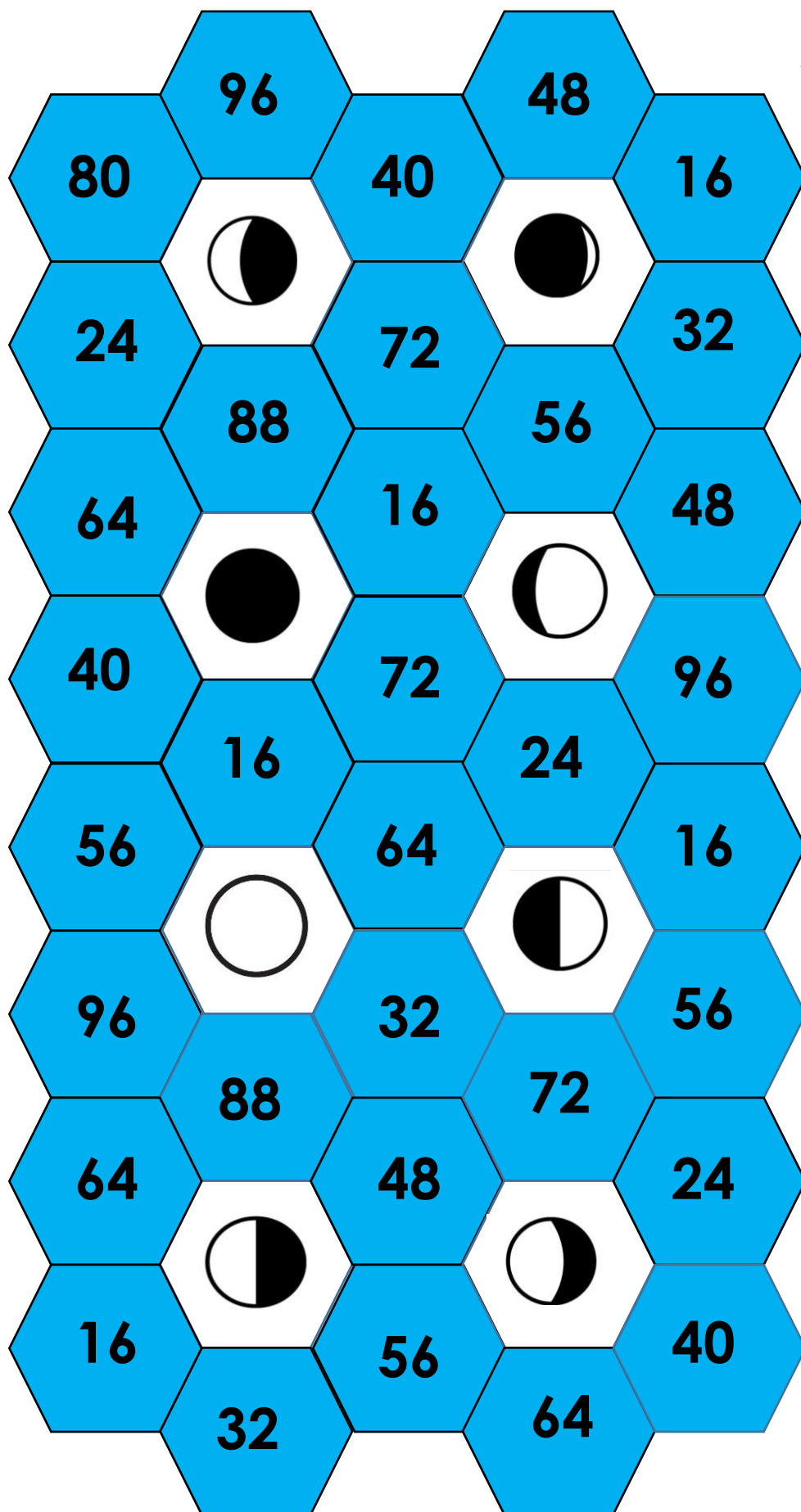
You are thinking about how the moon moves around the Earth and how the appearance of the illuminated half of the moon changes as we look at it from Earth. The moon's phases are a result of the geometry between the sun, the Earth and the moon. You'll also be exploring your eight times table!

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Phases of the Moon Game

Multiplication



What you need:

2 players
2 dice
Counters or a pen

How to play:

Take turns to roll 2 dice

Add the numbers together and multiply the total by 8

Cover the answer on the game board with a counter or cross off with a pen

Keep playing until you spot a phase of the moon (a counter or cross on each space surrounding it)

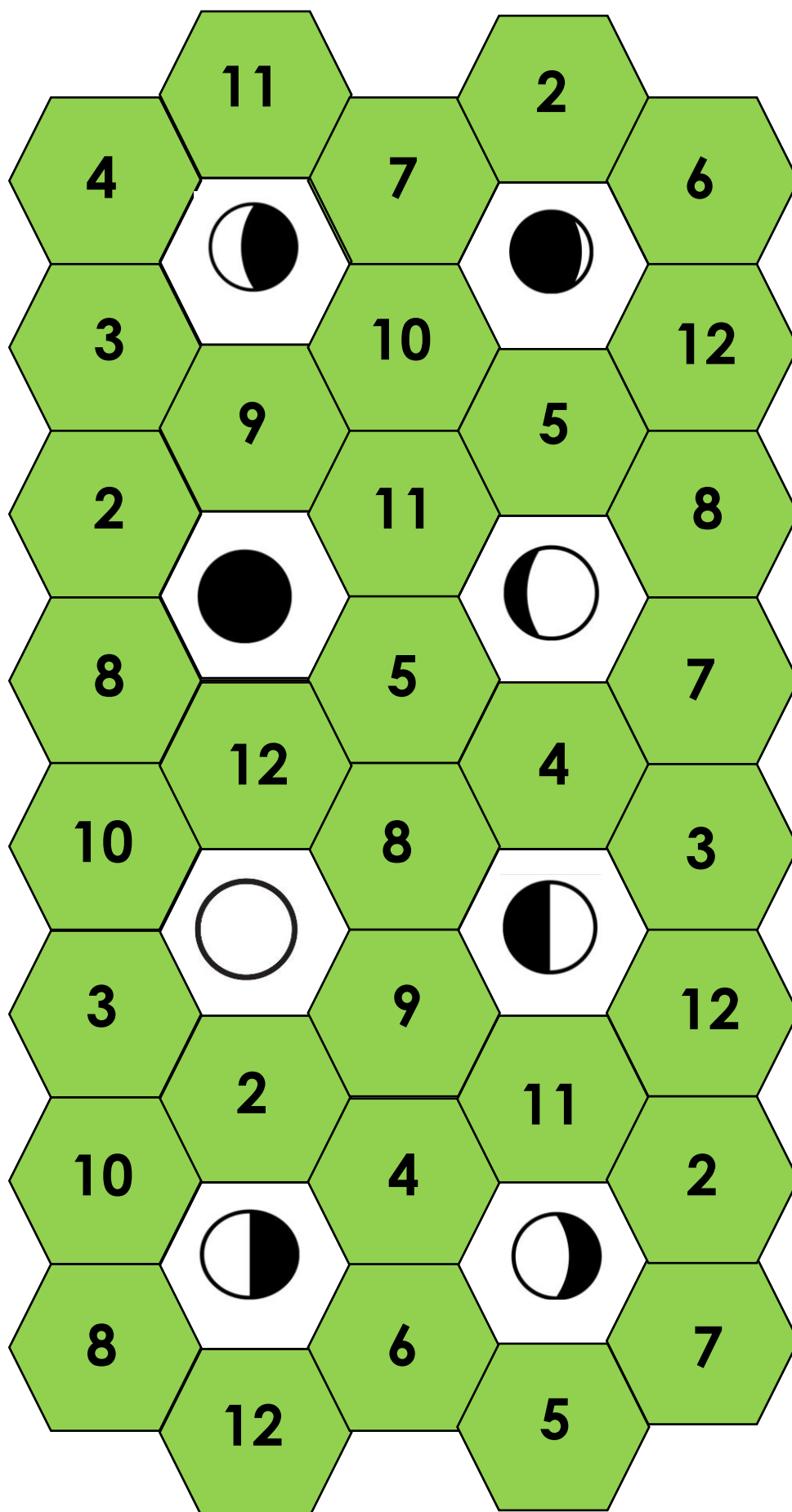
The player who places the last counter or cross to spot the moon wins!

Adapted from a game by games4learning.com

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Phases of the Moon Game



Addition

What you need:

2 players
2 dice
Counters or a pen

How to play:

Take turns to roll 2 dice

Add the numbers together

Cover the answer on the game board with a counter or cross off with a pen

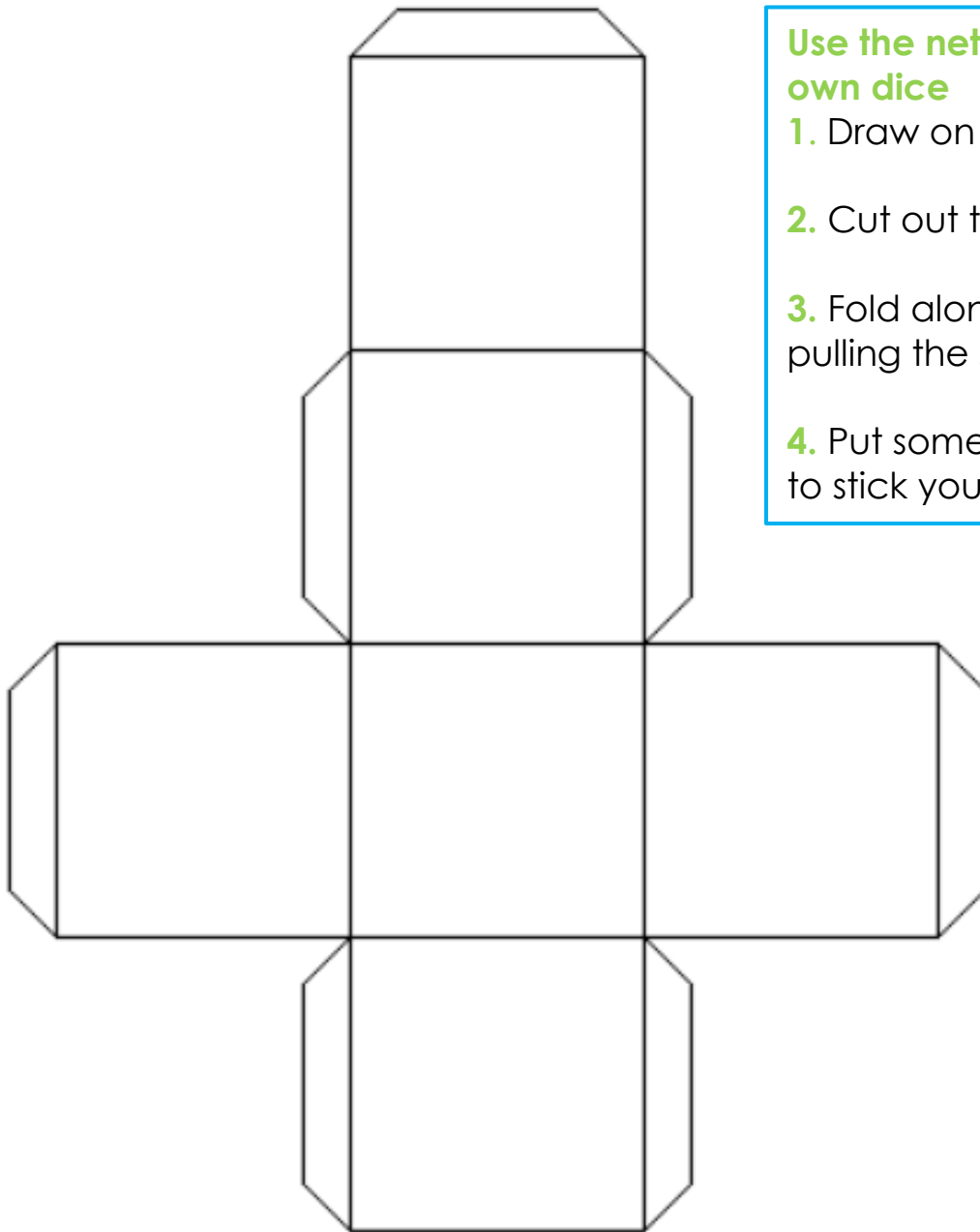
Keep playing until you spot a phase of the moon (a counter or cross on each space surrounding it)

The player who places the last counter or cross to spot the moon wins!

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Phases of the Moon Game



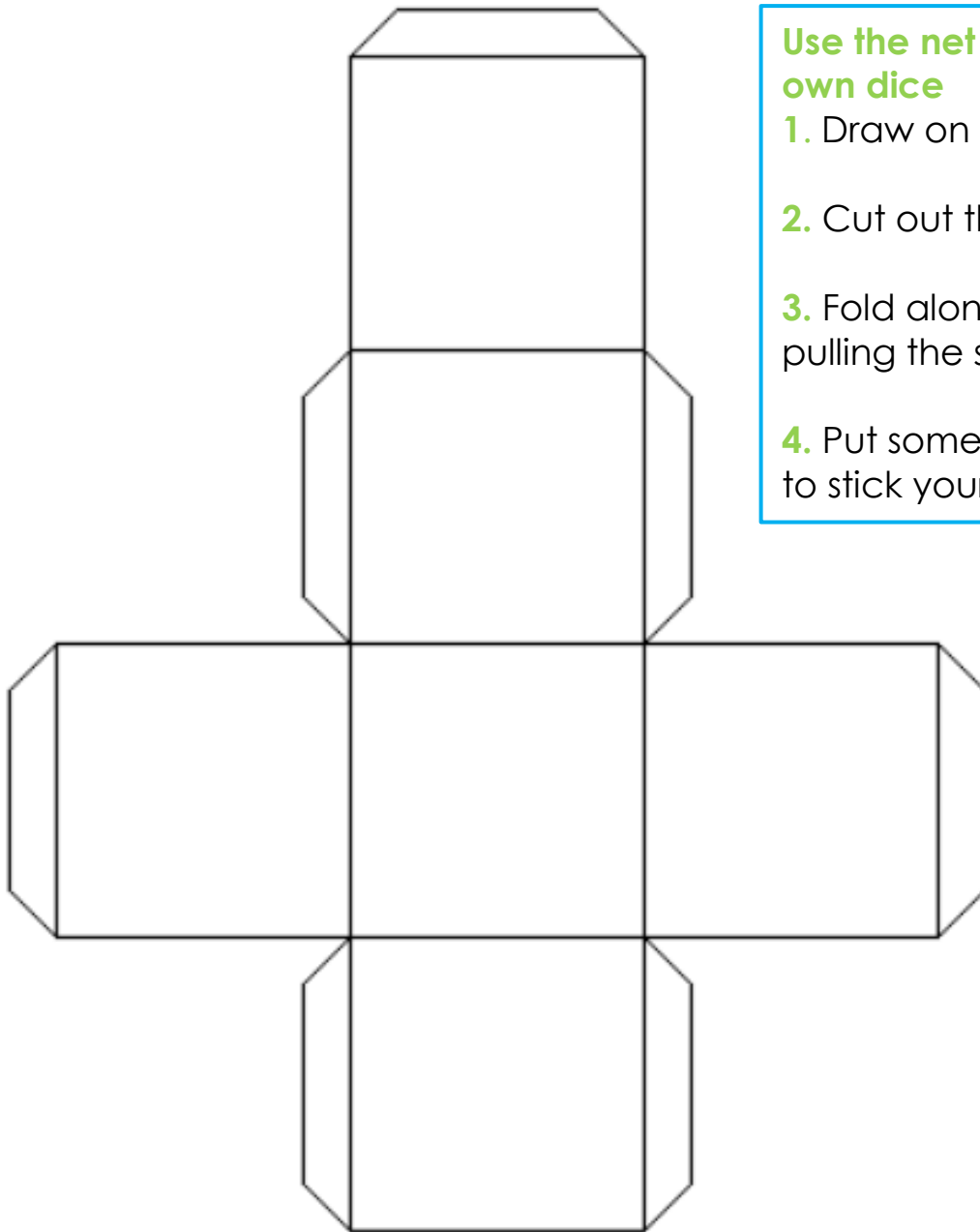
Use the net to make your own dice

1. Draw on the dots
2. Cut out the net
3. Fold along all the lines, pulling the sides together
4. Put some glue on the tabs to stick your dice together

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Phases of the Moon Game



Use the net to make your own dice

1. Draw on the dots
2. Cut out the net
3. Fold along all the lines, pulling the sides together
4. Put some glue on the tabs to stick your dice together

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