

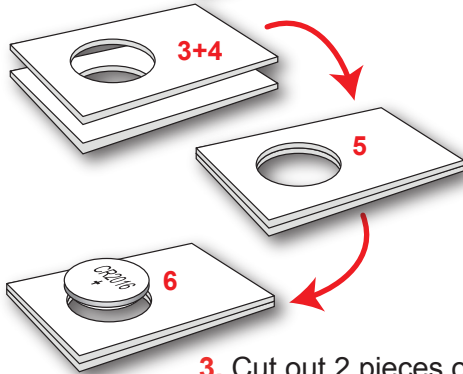
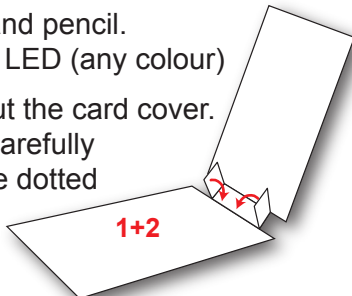
You will need:

- Thin card with the design photocopied or glued onto it.

You can also use an outer layer of clear packing tape, clear sticky backed plastic or a laminator over the graphics to make the printed cover more durable.

- Some 2mm thick fun foam.
- 1 Coin cell battery CR2016 (3v)
A CR2020 or CR2025 battery will also work.
- Pritt stick or double sided tape.
- String or cord (optional)
- Small scissors.
- Ruler and pencil.
- A 5mm LED (any colour)

1. Cut out the card cover.
2. Fold carefully along the dotted lines.



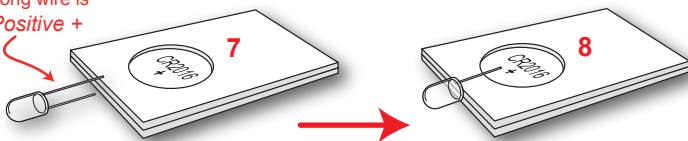
3. Cut out 2 pieces of fun foam. You might want to make a card template to help you.

4. Cut a $\varnothing 20\text{mm}$ hole in each of the pieces of fun foam with sharp scissors.

5. Using Pritt stick, or double sided tape stick the 3 pieces of foam on top of each other. Line up the holes.

6. Fit the battery into the hole with the **+POSITIVE** side facing up.

Long wire is
Positive +



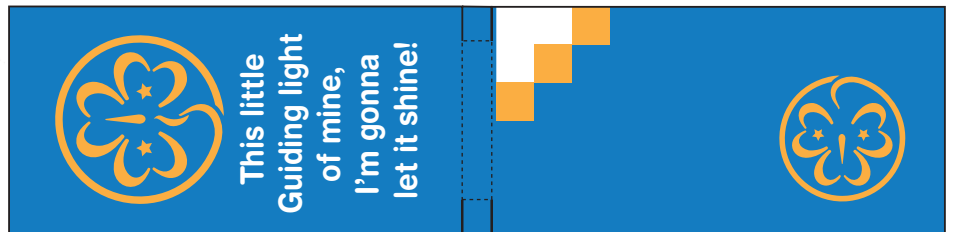
7. Slot the LED onto the foam. The LED has two wires; one long and one shorter. The **LONG** wire must touch the **+POSITIVE** side of the battery. The **SHORT** wire must touch the **-NEGATIVE** side of the battery. 8. SQUEEZE the wires and battery to test.

Important Safety Information:

Coin batteries can cause internal burns if swallowed. Batteries must never be put in your mouth and they should be kept away from young children. This activity may not be suitable for younger children. **As with all crafts...** If you are a leader you should try it out before running the activity with a group of young people.

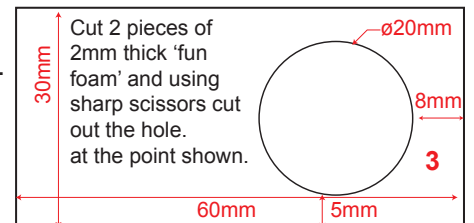
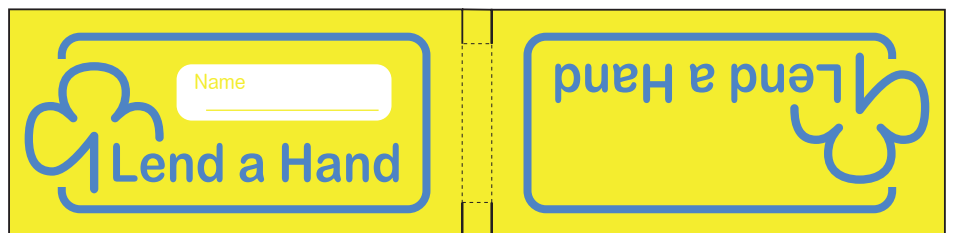
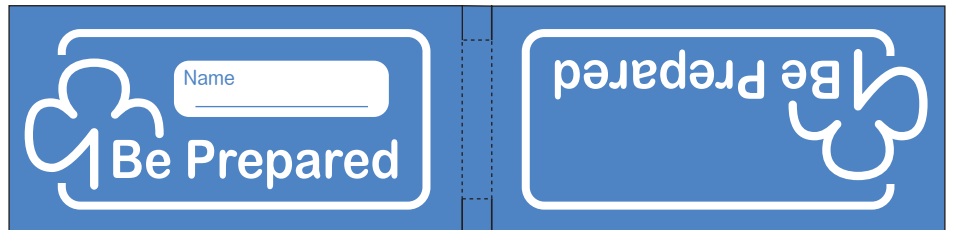
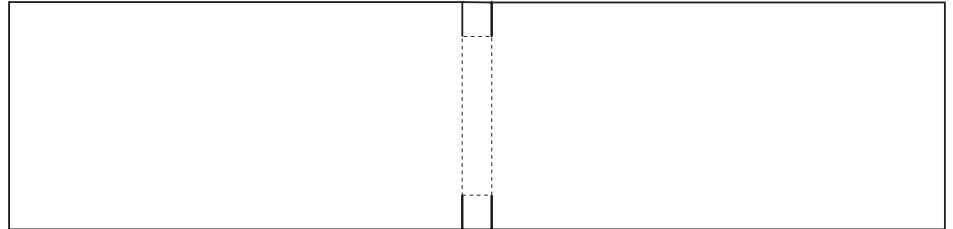
This LED torch lights up when you squeeze the contact wires and batteries together.

How to Make a Mini LED Torch



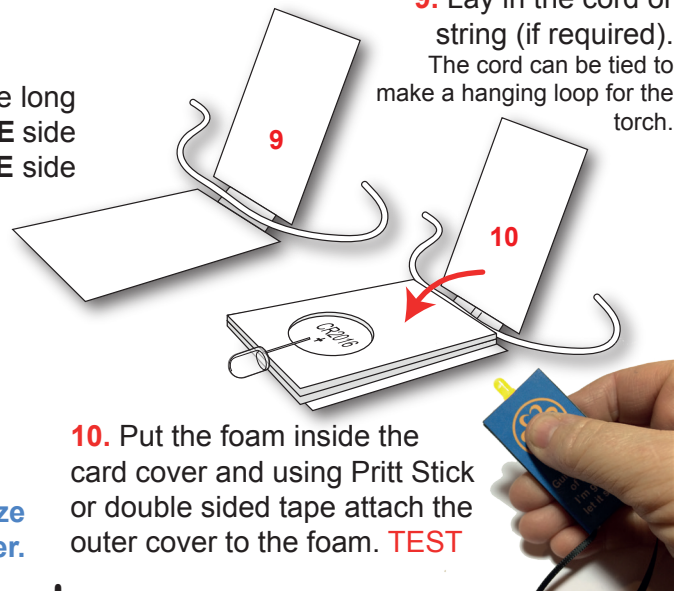
Blank template - design your own graphics.

Design based on the WAGGGS World Flag

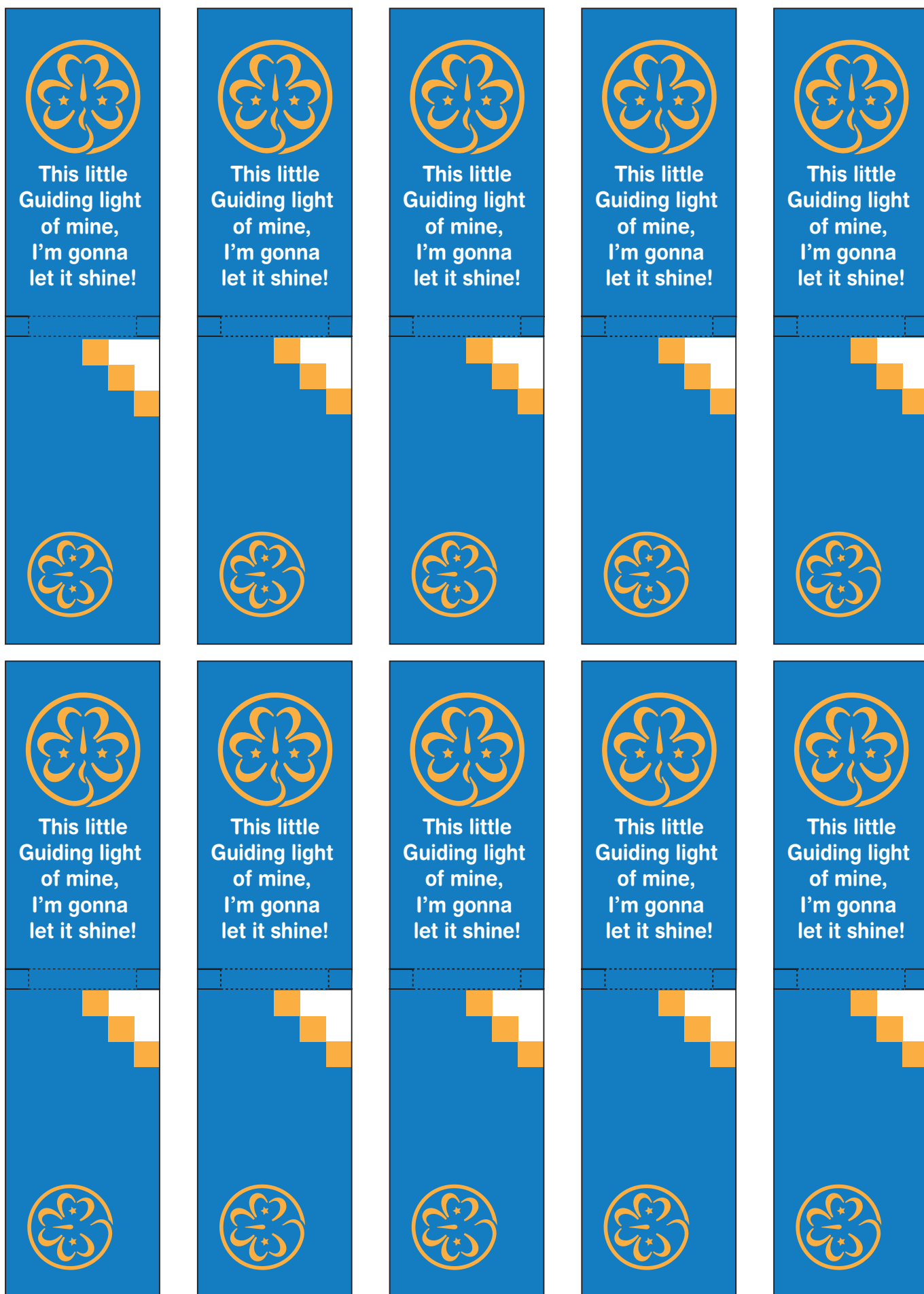


9. Lay in the cord or string (if required).

The cord can be tied to make a hanging loop for the torch.



10. Put the foam inside the card cover and using Pritt Stick or double sided tape attach the outer cover to the foam. **TEST**



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Design based on the WAGGGS World Flag, its meaning can be found here:
<https://www.wagggg.org/en/about-us/who-we-are/symbols-movement>

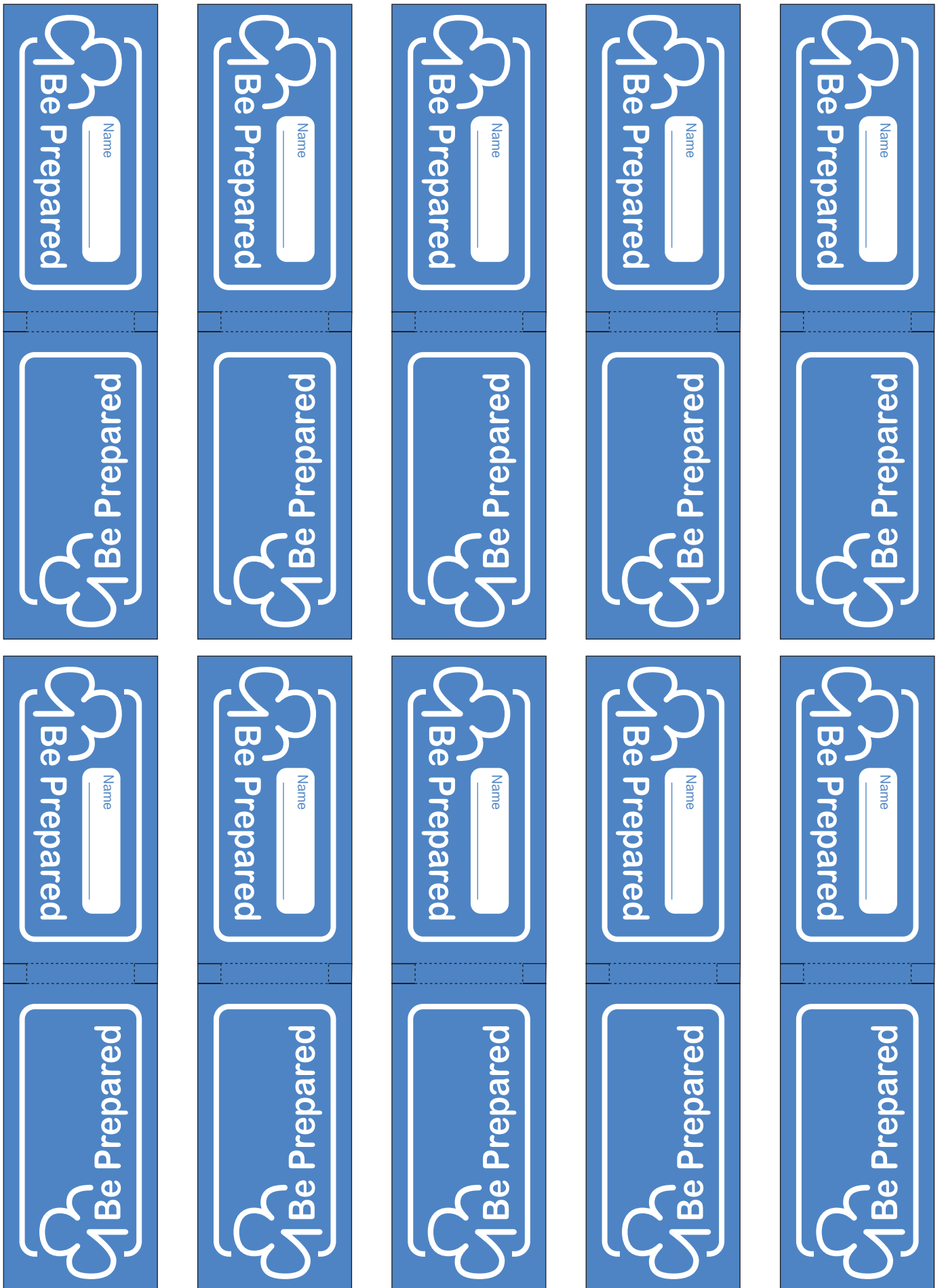


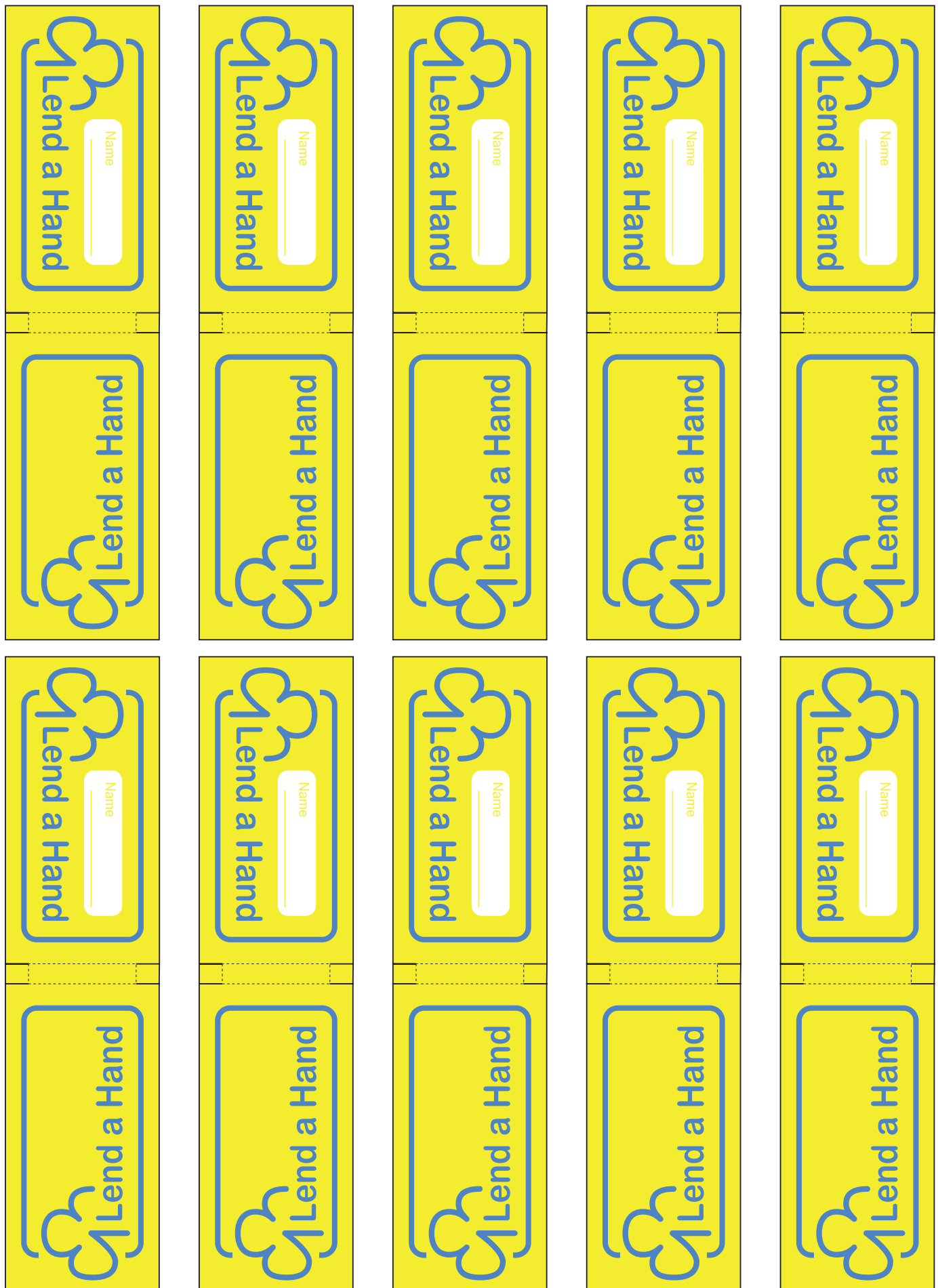
Mini LED Torch graphics - print or stick onto thin card.



Mini LED Torch graphics - print or stick onto thin card.

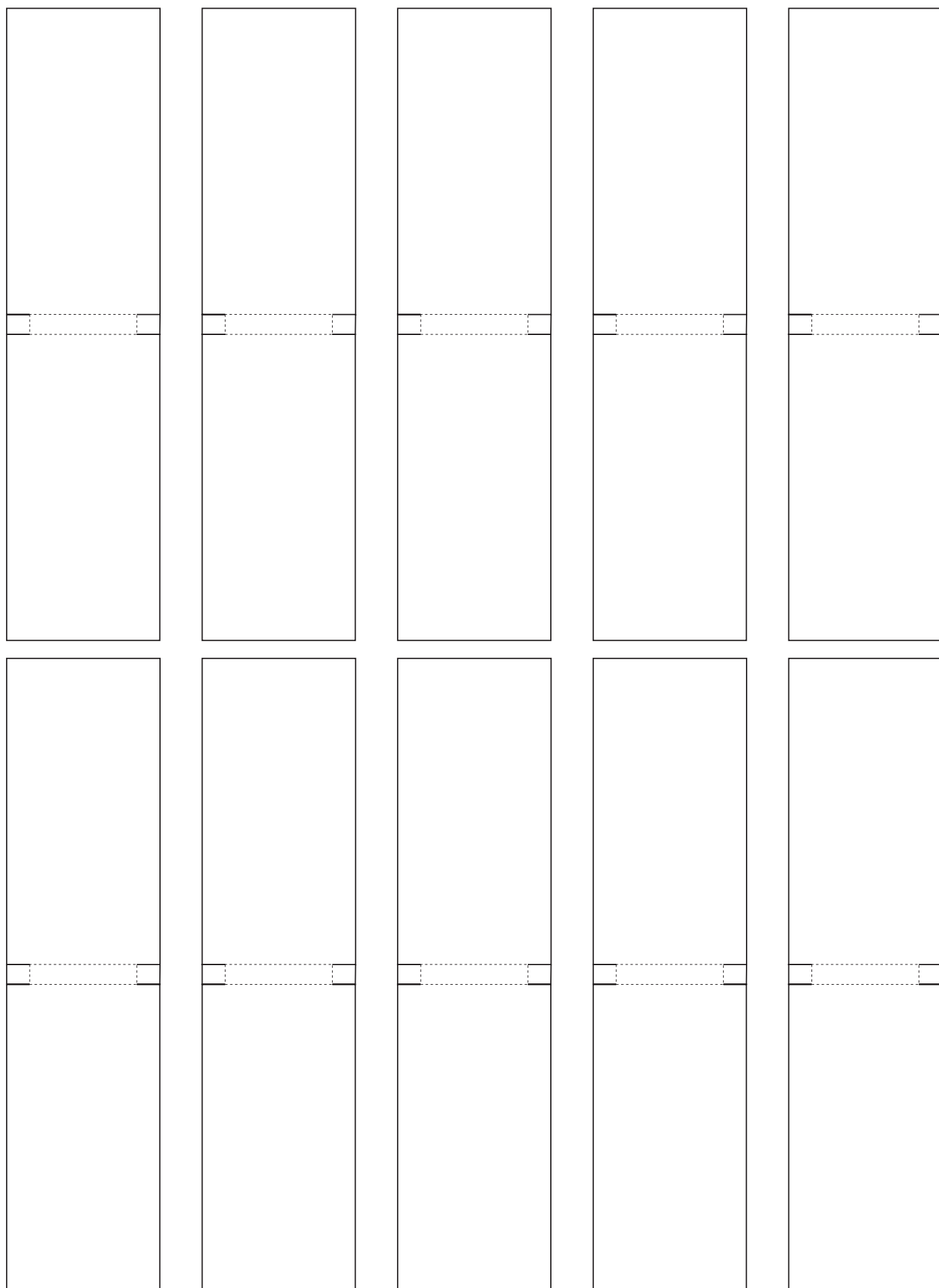
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 Mini LED Torch graphics - print or stick onto thin card.



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Mini LED Torch Template- Design your own graphics.