

TO COMPLETE THIS ACTIVITY YOU NEED:



Paper or card



Scissors



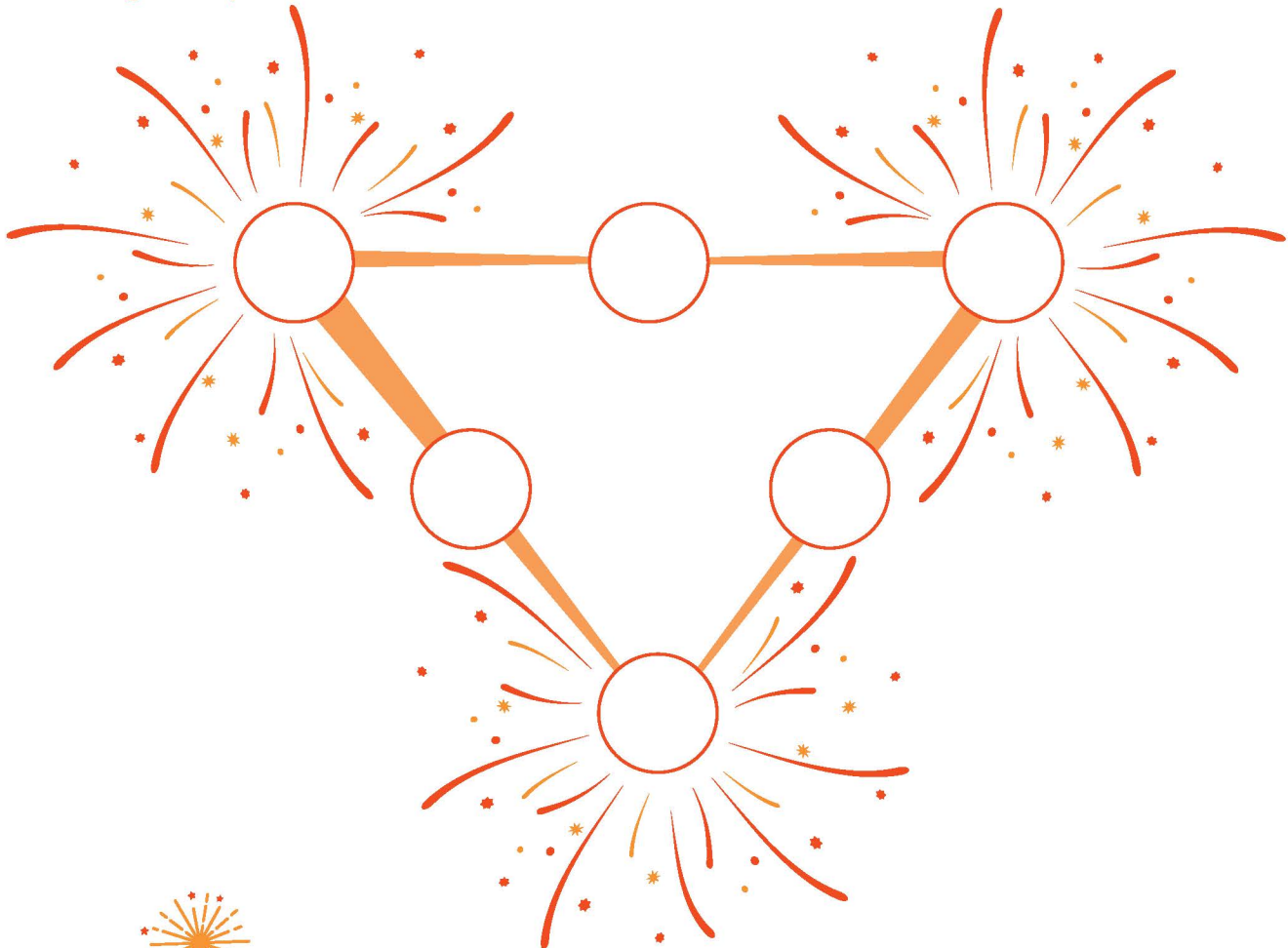
Pencil and paper

BEFORE YOU START: Use paper/card and scissors to cut out **10** circles similar in size to the small blank circles in the firework below*.

Write the numbers **0** to **9** in each of your circles and use them to complete your firework below.

* a template of number circles is available at dig1t.com

Arrange each of the numbers **0** to **5** in the circles of the Triangular Firecracker below so that the numbers on each side of the triangle add up to **6**.



I've got 3 more challenges for you:

1. Arrange the same numbers (**0** to **5**) so that the sum of each side of the triangle is **7**. Then try making each side add up to **8**, and then **9**.
2. Arrange the numbers **1** to **6**, find a total that all the sides can add up to. There is more than one solution.
3. Do the same using the numbers **2** to **7**, then **3** to **8**, then **4** to **9**.



Dig's Ideas:

Draw the fireworks with your solutions on separate sheets of paper and then colour and decorate them so that they look like a firework. You could use sparkly pens and/or glitter.

Try making up your own Fiery Figure Fireworks to challenge your classmates with. Make sure you test them so they work out correctly!