

Rabbit Hole Learning



Dragon Math Quest

Project Math

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Your Dragon Egg

You come across a dragon egg. What does it look like? Roll three dice to find out!

Roll a D4 to figure out what type of dragon it is:

- 1: Fire Dragon (red)
- 2: Water Dragon (blue)
- 3: Earth Dragon (green)
- 4: Air Dragon (yellow)

Roll a D6 to figure out the design:

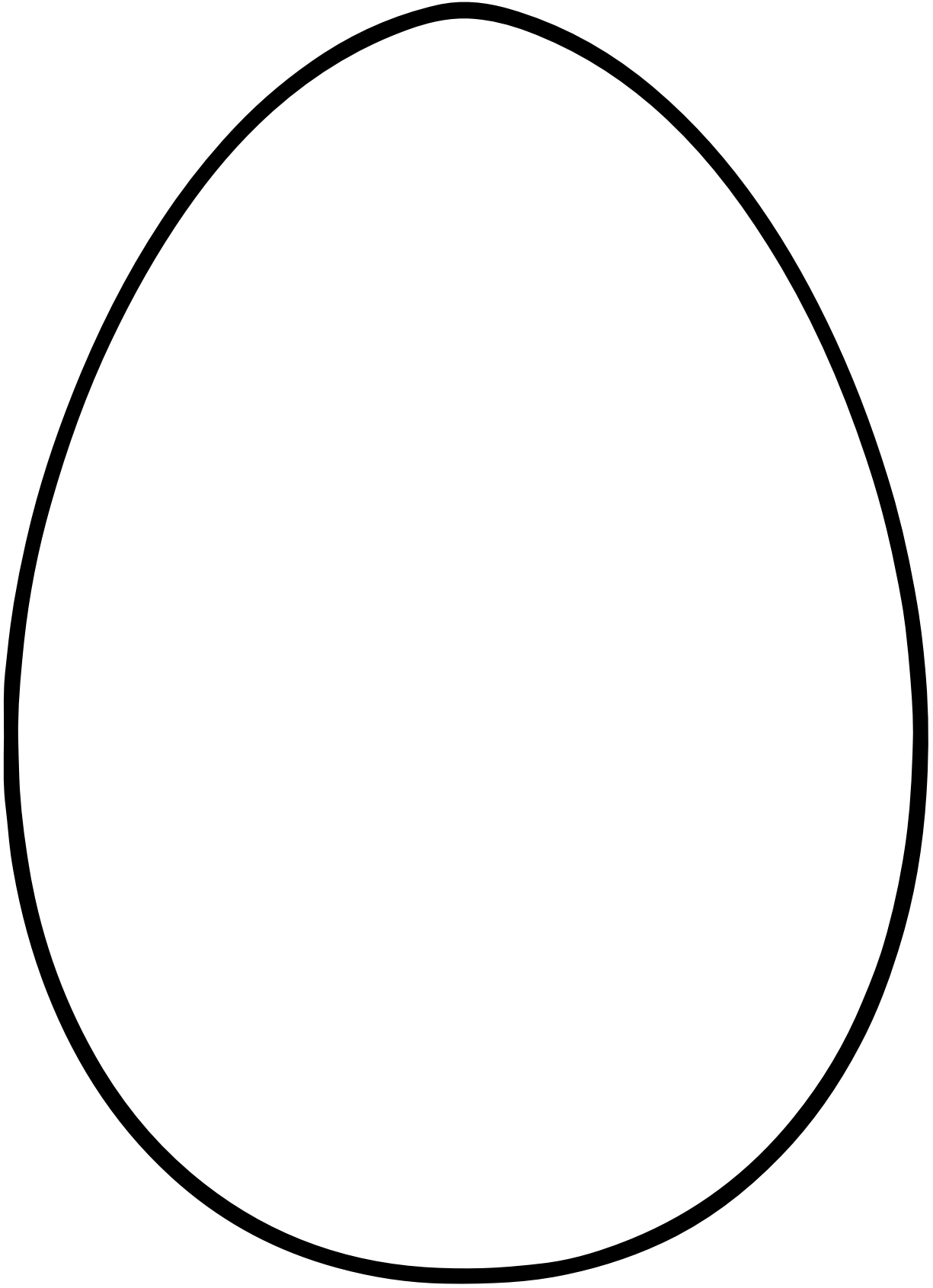
- 1 or 4: Dots
- 2 or 5: Scales
- 3 or 6: Stripes

Roll a D20 to figure out how many of that design to put on your egg.

Add your three dice together to figure out how tall your egg is!

+ + = cm

Use this egg or measure out your own!



The Egg is Hatching!

Your egg is starting to hatch! Lets figure out how long it'll take.

Fire dragons take 5 minutes, but if it's a...

Water Dragon, it'll take double.

Earth Dragon, it'll take triple.

Air Dragon, it'll take four times as long!

*how long they
take to hatch!*

$$\boxed{5} \times \boxed{} = \boxed{}$$

Write this as an addition sentence OR as an array!

Your Dragon's Name

Your dragon's name is based after your name.

Count that many letters into your first name, then subtract how many vowels (a, e, i, o, u, y) are in it. Use the chart below to figure out what your dragon's name starts with!

a	b	c	d	e	f	g	h	i	j	k	l	m
1	2	3	4	5	6	7	8	9	10	11	12	13
n	o	p	q	r	s	t	u	v	w	x	y	z
14	15	16	17	18	19	20	21	22	23	24	25	26

Your dragon's name is....



Your Dragon's Appearance

Roll two D6

Roll #1 = Body length units

Roll #2 = Tail length units

Body Length		Tail Length		Total Length
<input type="text"/>	+	<input type="text"/>	=	<input type="text"/>

Dragon drawing rule:

If total is 6 or less → small dragon

If 7–12 → medium dragon

If 13+ → large dragon

If your number is even → Bat-style wings

If your number is odd → Feathered wings

Roll a D4 and double it for the number of horns.

<input type="text"/>	×	<input type="text" value="2"/>	=	<input type="text"/>
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Dots egg? Dragon has spots

Spots = # of egg spots × 4

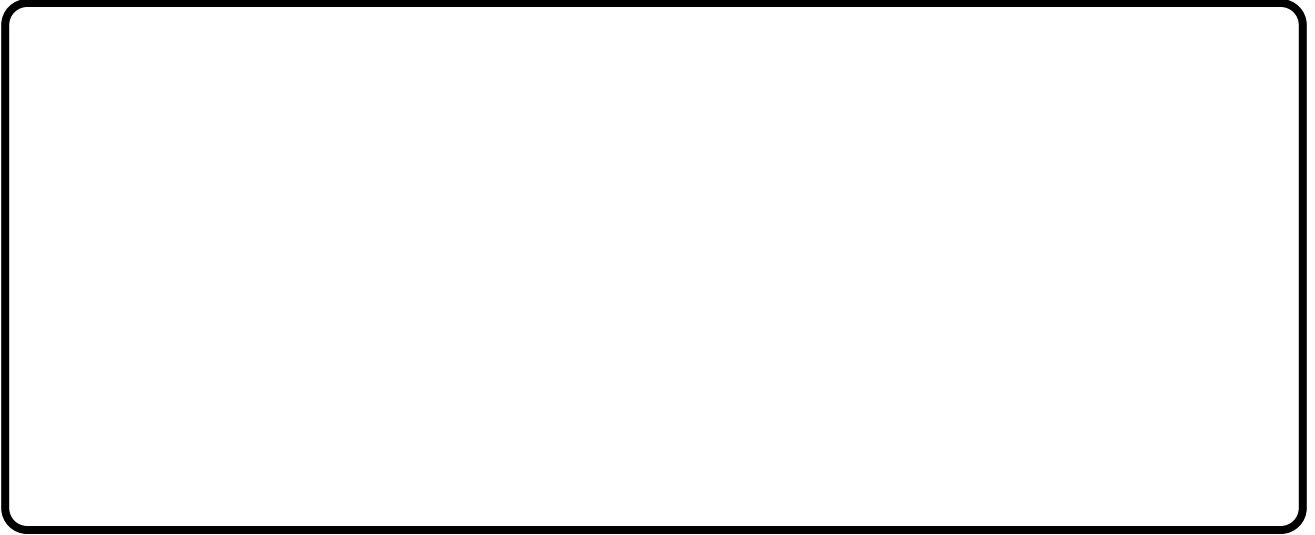
Stripes egg? Dragon has stripes

Stripes = # of egg patterns - 2

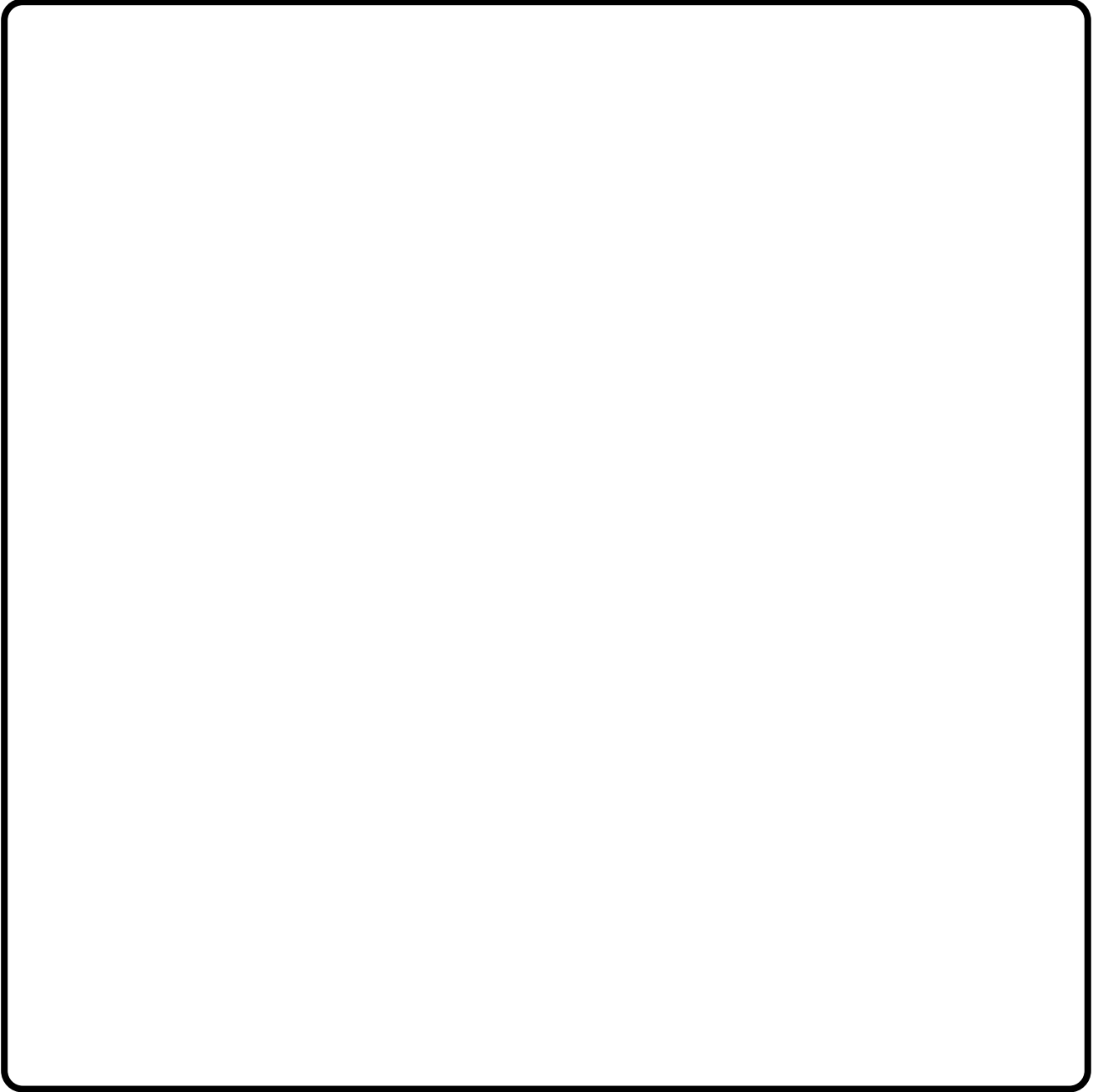
Scales egg? Dragon has scale patches

Scale patches = # of egg patterns ÷ 2 (round to nearest whole)

Small Dragon



Medium Dragon



Large Dragon

