

## Which Number Comes Next?

Determine the next number in the sequence or pattern. Defend your choice with a short written response. Explain the sequence or pattern in each number set.

- 1. 2

- **2.** 7
- 14

- **3.** 2

- **4.** 2

- **5.** 11

6.

- **7.** 4

8.

- **9.** 2

- 10.

Name	<u>,                                      </u>	Dat	e	Class	
	Challenge	:			
1-2	Money Grows				
	estment of \$50 double 50 • 2 = \$100.	s in value, your i	inve	restment will be	."
lf it doul You car	oles again, your invest a also write this as \$50	ment will be work $• 2^2 = $200.$	th \$	\$50 • 2 • 2 = \$200.	
lf your r	noney doubles a third	time, it will be wo	orth	h \$50 • $2^3 = $400$ .	
Write th	ne correct answer.	• .			* v
1. If yo	ou invest \$400, how m th if it doubles in value	uch will it be twice?	2.	If an investment of \$550 doubles in value twice, how much will it be worth?	in «
3. If yo	ou invest \$75, how mu th if it doubles in value	ch will it be 4 times?	4.	. If you invest \$125, how much will worth if it doubles in value 4 times	
5. If a	n investment of \$75 tri mes, how much will it l	ples in value oe worth?	6.	If an investment of \$125 triples in value 4 times, how much will it be worth?	
		<u> </u>			
turned value e	Jasmine turned 13, sho 18. She then invested every 7 years.	her total savings	s so	o that it doubled in	
				time she turned 18?	
8. Ho	w many times will her	investment doub	le f	from age 18 to age 60?	
9. Ho	w much will Jasmine's	investment be v	vort	rth when she turns 60?	· -
turned	Jake turned 13, he sta 19. He then invested l every 12 years.	rted saving \$1.50 nis total savings	0 pe so l	per week until he that it tripled in	
	w much money did Ja	ke save by the fi	me	e he turned 19?	
10. Ho	w much money did sa	KO OUTO DE INO III		•	



12. How much will Jake's investment be worth when he turns 55?