Numerical & Geometric Proportions



Name Class Date What is the ratio of squares to circles in The triangles shown are similar. What is the measure of *DFE*? Circle it. the figure shown? Circle the answer. 27° 12 ft 28 ft 42° 16 ft 95° 24 ft There are two animal hospitals. At Given the similar polygons shown, which hospital A, there are 8 dogs and 6 cats. side corresponds to side DF? At hospital B, there are 12 dogs and 14 cats. What is the ratio of cats at BC hospital A compared to hospital B? nat is 3 **PREVIEW** Please Sign In or Sign Up to download 4 if the printable version of this worksheet the 7 ft 20 ft Lindsey is building a model of her house. 21 ft 30 ft 35 ft She wants to use the ratio of 1 inch for every 5 feet. If her house is 35 feet tall, 10 Two flat screen TVs are similar as shown. which proportion should she use to get the What is the length of the larger TV? height of her model? Check the answer. 19 in. 40 in. 1/35 = x/51/5 = x/3528 in. 24 in. x/5 = 35/131 in. 42 in. 35/5 = 1/x36 in.



Numerical & Geometric Proportions - Answer Key

Math

Nan	ne	Class	Date	
1	What is the ratio of squares to circles the figure shown? Circle the answer.		Γhe triangles shown are s s the measure of ∠DFE?	
	3 5 3	5 8	27° 42° 16 ft 28 ft 95° 32° B 24 ft	21 ft F
2	There are two animal hospitals. At hospital A, there are 8 dogs and 6 cats At hospital B, there are 12 dogs and 14 cats. What is the ratio of cats at hospital A compared to hospital B?		Given the similar polygon side corresponds to side	
		P P	BC X =	nat is
4 ft				5
	PR	EVIEW		2
4	Please <u>Sign In</u> of the printable ve			if the
	14 = 63 mph		7 ft 20 ft	12 ft
5	Lindsey is building a model of her house she wants to use the ratio of 1 inch for every 5 feet. If her house is 35 feet tal which proportion should she use to go height of her model? Check the answer 1/35 = x/5 x/5 = 35/1 35/5 = x/5	or II, et the ver. 10 To V		