

Nesting on Numbers

Board game

Students help the migratory birds to reach their destinations.



Questions - Answers

<p>1</p>	<p>QUESTION: The wandering albatross has the largest known wingspan of any living bird, at times reaching nearly 365 cm. The hummingbird is the smallest bird with a wingspan of 7.60 cm. How many hummingbirds with open wings must be in a row to cover the albatross's wingspan?</p>	
		<p>$365/7,60=48,02$ ANSWER: About 48 hummingbirds</p>

2	QUESTION: A man has 9 dogs and some birds. All together they have 74 legs. How many are the birds?	
		$9*4=36$ dogs' legs $74-36=38$ birds' legs $38/2 =19$ birds ANSWER: 19 birds
3	QUESTION: The peregrine falcon is the fastest living creature on Earth with average speed 150 km/h. How far will it travel in 3.5 hours?	
		$150*3,5=525$ km ANSWER: 525km
4	QUESTION: A hummingbird flutters its wings 150 times per second. How many times will it happen in 15 minutes?	
		$150*60=9.000$ times/min $9.000*15=135.000$ times ANSWER: 135 times
5	QUESTION: A sparrow makes balls with 45 insects, at least, to feed the baby birds. How many insects will a sparrow need to feed 15 babies?	
		$45*15=675$ insects ANSWER: 165 insects
6	QUESTION: A canary breeder considers it as a success if, in every reproductive period, a couple of birds lay 5 eggs and at least the 3 of them hatch. There are 3 births in a reproductive period. How many birds will grow at the end of the reproductive period, if he has 18 couples of birds?	
		$3*3=9$ birds/couple $9*18=162$ birds ANSWER: 162 birds

7	QUESTION: An eagle can eat up to 4.5 kilos of meat in every meal. If he finds food every 3 days, how many kilos of meat does an eagle need in 1 year?	
		<p>1 year \rightarrow 360days $360/3=120$ meals $120 \cdot 4,5=54kg$ ANSWER: 54kg of meat</p>
8	QUESTION: Every year during the winter migration almost the 30% of birds die (hunters, bad weather conditions etc.). If, at the start of the journey, the flocks have 200.000.000 birds, how many of them, in the end, arrive at their destination?	
		<p>$30\% = \frac{30}{100}$ $200.000.000 * \frac{30}{100}$ $= 60.000.000$ killed birds $200.000.000 -$ $60.000.000 = 140.000.000$ birds ANSWER: 140.000.000 birds</p>
9	QUESTION: $\frac{2}{3} * \frac{4}{5} =$	
		<p>$\frac{2}{3} * \frac{4}{5} = \frac{8}{15}$ ANSWER: $\frac{8}{15}$</p>
10	QUESTION: $\frac{7}{8} - \frac{4}{8} =$	
		<p>$\frac{7}{8} - \frac{4}{8} = \frac{3}{8}$ ANSWER: $\frac{3}{8}$</p>

11	QUESTION: $\frac{3}{2} + \frac{2}{4} =$	
		$\frac{3}{2} + \frac{2}{4} = \frac{6}{4} + \frac{2}{4} = \frac{8}{4} = 2$ ANSWER: 2
12	QUESTION: $\frac{3}{2} / \frac{1}{2} =$	
		$\frac{3}{2} / \frac{1}{2} = \frac{3}{2} * \frac{2}{1} = \frac{6}{2} = 3$ ANSWER: 3





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