Name:	
Dividing by 3	

Question 1 12 cookies are shared between 3 people. How many cookies will each person get?	
Question 2 There are 9 brushes and 3 packets. Jill placed an equal number of brushes in each packet. How many brushes in each packet?	
Question 3 21 bricks are placed in 3 equal piles. How many bricks in each pile?	
Question 4 A block of stone weighing 24 kg is cut into 3 equal, smaller blocks. What is the weight of each smaller block?	
Question 5 I have 10 bags of apples. There are 30 apples altogether. How many apples are in each bag?	
Question 6 A 21 m rope is cut into 3 equal lengths. How long is each piece of rope?	
Question 7 There are 3 tents for 27 people that attend a camp. Each tent must sleep the same number of people. How many people sleep in each tent?	
Question 8 There are 12 cards. Place the 12 cards in 3 envelopes so that each envelope has the same number of cards. How many cards in each envelope?	
Question 9 Share 24 pencils between 3 children. How many pencils does each child get?	
Question 10 An 18m plank of wood is to be cut into 3 equal sized pieces. How long is each piece?	

Dividing by 3 - solutions

Question 1	Solution
12 cookies are shared between 3 people. How many cookies will each person get?	To calculate how many cookies each person will get, divide the total number of cookies by the number of people. $12 \div 3 = 4$
Question 2 There are 9 brushes and 3 packets. Jill placed an equal number of brushes in each packet. How many brushes in each packet?	**Solution** To calculate the number of brushes in each packet, divide the number of brushes by the number of packets. $9 \div 3 = 3$
Question 3 21 bricks are placed in 3 equal piles. How many bricks in each pile?	**Solution** To calculate the number of bricks in each pile, divide the total number of bricks by the number of piles. $21 \div 3 = 7$
Question 4 A block of stone weighing 24 kg is cut into 3 equal, smaller blocks. What is the weight of each smaller block?	**Solution** To calculate the weight of each smaller block, divide the weight of the original block of stone by three. $24 \div 3 = 8$
Question 5 I have 10 bags of apples. There are 30 apples altogether. How many apples are in each bag?	**Solution** To calculate the number of apples in each bag, divide total number of apples by number of bags. $30 \div 10 = 3$
Question 6 A 21 m rope is cut into 3 equal lengths. How long is each piece of rope?	**Solution** To calculate the length of each piece of rope, divide the total length of rope by three. $21 \div 3 = 7$
Question 7 There are 3 tents for 27 people that attend a camp. Each tent must sleep the same number of people. How many people sleep in each tent?	**Solution** To calculate the number of people that sleep in each tent, divide the total number of people by the number of tents. $27 \div 3 = 9$
Question 8 There are 12 cards. Place the 12 cards in 3 envelopes so that each envelope has the same number of cards. How many cards in each envelope?	**Solution** To calculate the number of cards in each of the three envelopes, divide the total number of cards by the number of envelopes. $12 \div 3 = 4$
Question 9 Share 24 pencils between 3 children. How many pencils does each child get?	**Solution** To calculate the number of pencils each of the children will get, divide the total number of pencils by the number of children. $24 \div 3 = 8$
Question 10 An 18m plank of wood is to be cut into 3 equal sized pieces. How long is each piece?	**Solution** To calculate the size of each piece of plank of wood, divide the total length of the original plank by the number of pieces after cutting. $18 \div 3 = 6$