Name:

Dividing by 4

Question 1 *Share 8 coins between 4 children.* *How many coins does each child get?*	
Question 2 *Josie placed 20 eggs into 4 egg cartons so that each carton has the same number of eggs.* *How many eggs in each carton?*	
Question 3 *A 24 m pole is cut into 4 equal pieces.* *How long is each piece?*	
Question 4 *36 children are placed into 4 equal teams.* *How many children in each team?*	
Question 5 *Three oranges are cut into quarters.* *The quarters are then shared between 4 children.* *How many quarters does each child get?* (Note: There are four quarters of an orange in one whole orange)	
Question 6 *44 pieces of wood are used to make 4 identical gates.* *How many pieces are used for each gate?*	
Question 7 *4 balls cost $36 to buy.* *What is the cost of each ball?*	
Question 8 *28 bricks are stacked into four equal piles.* *How many bricks in each pile?*	
Question 9 *The total distance of a race is 40 km, which is 4 laps of the course.* *How long is one lap of the course?*	
Question 10 *Zenda worked for 28 hours over 4 days.* *She worked the same number of hours each day.* *How many hours did Zenda work each day?*	

Dividing by 4 solutions

Question 1 Share 8 coins between 4 children. How many coins does each child get?	**Solution** To calculate how many coins each child will get, divide the total number of coins by the number of children. $8 \div 4 = 2$
Question 2 Josie placed 20 eggs into 4 egg cartons so that each carton has the same number of eggs. How many eggs in each carton?	**Solution** To calculate the number of eggs placed in each carton, divide the total number of eggs by the number of cartons. $20 \div 4 = 5$
Question 3 A 24 m pole is cut into 4 equal pieces. How long is each piece?	**Solution** To calculate the length of each piece of the pole, divide the original length of the pole by four because there are 4 pieces. $24 \div 4 = 6$
Question 4 36 children are placed into 4 equal teams. How many children in each team?	**Solution** To calculate the number of children in each team, divide the total number of children by four because there are four teams. $36 \div 4 = 9$
Question 5 Three oranges are cut into quarters. The quarters are then shared between 4 children. How many quarters does each child get?	**Solution** To calculate the number of quarters each child will get, divide the total number of orange quarters, which is 12, by the number of children, which is 4. $12 \div 4 = 3$
Question 6 44 pieces of wood are used to make 4 identical gates. How many pieces are used for each gate?	**Solution** To calculate the number of pieces of wood to make each gate, divide the total number of pieces of wood by the number of gates made. $44 \div 4 = 11$
Question 7 4 balls cost $36 to buy. What is the cost of each ball?	**Solution** To calculate the cost of each ball, divide the total cost of the balls by the number of balls bought. $36 \div 4 = \$9$
Question 8 28 bricks are stacked into four equal piles. How many bricks in each pile?	**Solution** To calculate the number of bricks stacked in each pile, divide the total number of bricks by the number of piles. $28 \div 4 = 7$
Question 9 The total distance of a race is 40 km, which is 4 laps of the course. How long is one lap of the course?	**Solution** To calculate the length of one lap of the course, divide the total distance of the race by the number of laps which is four. $40 \div 4 = 10$
Question 10 Zenda worked for 28 hours over 4 days. She worked the same number of hours each day. How many hours did Zenda work each day?	**Solution** To calculate the number of hours that Zenda worked each day, divide the total number of hours that she worked by the number of days she worked. $28 \div 4 = 7$