

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

<p>Question 1 Share 8 coins between 4 children. How many coins does each child get?</p>	<p>Solution To calculate how many coins each child will get, divide the total number of coins by the number of children.</p> $8 \div 4 = 2$
<p>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?</p>	<p>Solution To calculate the number of eggs placed in each carton, divide the total number of eggs by the number of cartons.</p> $20 \div 4 = 5$
<p>Question 3 A 24 m pole is cut into 4 equal pieces. How long is each piece?</p>	<p>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.</p> $24 \div 4 = 6$
<p>Question 4 36 children are placed into 4 equal teams. How many children in each team?</p>	<p>Solution To calculate the number of children in each team, divide the total number of children by four because there are four teams.</p> $36 \div 4 = 9$
<p>Question 5 Three oranges are cut into quarters. The quarters are then shared between 4 children. How many quarters does each child get?</p>	<p>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.</p> $12 \div 4 = 3$
<p>Question 6 44 pieces of wood are used to make 4 identical gates. How many pieces are used for each gate?</p>	<p>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.</p> $44 \div 4 = 11$
<p>Question 7 4 balls cost £36 to buy. What is the cost of each ball?</p>	<p>Solution To calculate the cost of each ball, divide the total cost of the balls by the number of balls bought.</p> $36 \div 4 = \text{£}9$
<p>Question 8 28 bricks are stacked into four equal piles. How many bricks in each pile?</p>	<p>Solution To calculate the number of bricks stacked in each pile, divide the total number of bricks by the number of piles.</p> $28 \div 4 = 7$
<p>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?</p>	<p>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.</p> $40 \div 4 = 10$
<p>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?</p>	<p>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.</p> $28 \div 4 = 7$