



ChirpyLearn

Maths That Happens Off the **Screen**



Chirpy Learn is the maths program designed to get children away from screens and into real learning. With printable worksheets, hands-on activities, and guided online support only when they need it, your child builds genuine mathematical confidence - pen in hand, not glued to a device.

Tailored to **Every** Learner

Chirpy Learn generates unlimited worksheets matched to your child's level - encouragement when they need a boost, fresh challenges when they're ready.



Confidence Through **Understanding**



Many children struggle with maths because they click through answers without understanding why. Chirpy Learn breaks that cycle.

By working through problems on paper, children slow down, think carefully, and build genuine understanding - the kind that sticks long after the screen is off.

Ready to Take Maths Off the Screen?



chirpylearn.com



Read the story and solve for each of the variables.

There are **124** pieces of fruit in a bowl. There are 4 fewer apples than oranges and there are twice as many bananas as oranges. How many of each fruit are there?

Let A = the number of apples

Let O = the number of oranges

Let B = the number of bananas

Express the Total:

Write A in terms of O: A =

Write B in terms of O: B =

Express the total in terms of O:

+ + = 124

O = A = B =

There were **5 red**, **3 blue** and **2 green** marbles in a bag. Jill picked two marbles out of the bag. What is the chance that both marbles were **red**?

Jaden is making a sandwich for lunch. They have **4** types of bread and **6** sauces. How many different sandwiches can Jaden make?

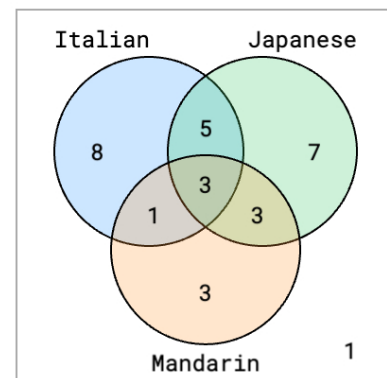
A PE teacher has 56 boys and 72 girls. She wants to divide them into identical teams, each with the same number of boys and the same number of girls, with no one left out. What is the greatest number of teams she can make?

Factors of 56:

Factors of 72:

Common factors:

Answer: teams



How many students study at least one language?

How many students study ONLY Italian (and nothing else)?

How many students study at least 2 of the 3 languages?

Calculate the probability for each problem.

Jane flips a coin and rolls a six-sided die. What is the probability of getting heads and rolling a 3?

Jaden flips two coins. What is the probability of getting exactly one head?



Evaluate the following expressions given:

$$b = 7$$

$$d = 11$$

$$x = 3$$

$$y = 1$$

$$2x^2 + y = \boxed{}$$

$$2b - y = \boxed{}$$

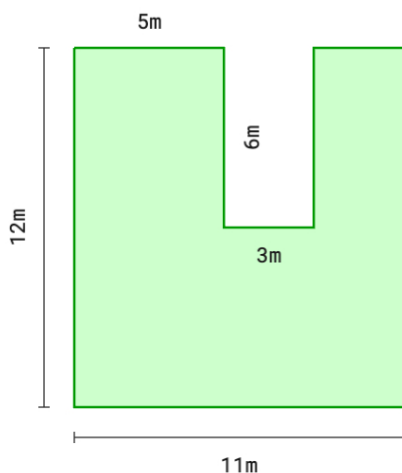
$$d^2 + y = \boxed{}$$

$$\frac{b^2}{y} = \boxed{}$$

$$\frac{2x}{y} = \boxed{}$$

$$b + 2y = \boxed{}$$

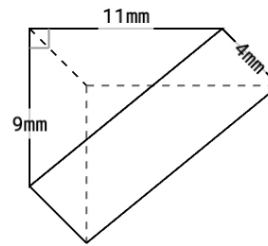
Work out the missing dimensions.
Then calculate the length of a fence perimeter
and the area of the grass within.



$$\text{Fence (perimeter)} = \boxed{}$$

$$\text{Grass (area)} = \boxed{}$$

Calculate the volume of the triangular prism.



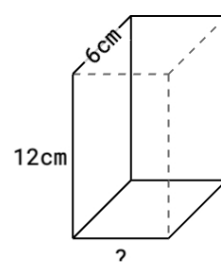
Jaden's training involves running
around the block **3 times**. The block
is roughly **100m** wide and **700m** long.

What is the total distance that
Jaden covers?

A train travelled **40 kilometres** at
100km/h. How long did they take?

A truck travelled for **18 minutes** at
110km/h. How far did they go?

Calculate the width of the rectangular prism.



$$V = 504\text{cm}^3$$



Read the story and solve for each of the variables.

There are **124** pieces of fruit in a bowl. There are 4 fewer apples than oranges and there are twice as many bananas as oranges. How many of each fruit are there?

Let A = the number of apples

Let O = the number of oranges

Let B = the number of bananas

Express the Total: $A + O + B = 124$

Write A in terms of O: $A = O - 4$

Write B in terms of O: $B = 2O$

Express the total in terms of O:

$$O - 4 + 2O + O = 124$$

$$4O - 4 = 124$$

$$4O = 124 + 4 = 128$$

$$O = 128 \div 4 = 32$$

$$O = 32 \quad A = 28 \quad B = 64$$

There were **5 red**, **3 blue** and **2 green** marbles in a bag. Jill picked two marbles out of the bag. What is the chance that both marbles were **red**?

$$\frac{5}{10} \times \frac{4}{9} = \frac{20}{90} = \frac{2}{9}$$

Jaden is making a sandwich for lunch. They have **4** types of bread and **6** sauces. How many different sandwiches can Jaden make?

$$4 \times 6 = 24$$

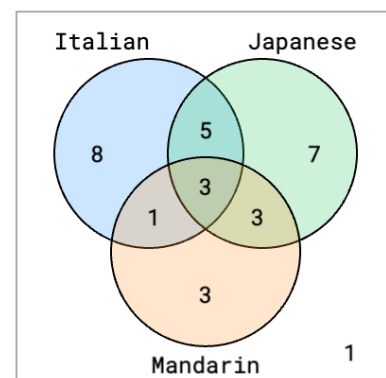
A PE teacher has 56 boys and 72 girls. She wants to divide them into identical teams, each with the same number of boys and the same number of girls, with no one left out. What is the greatest number of teams she can make?

Factors of 56: 1, 2, 4, 7, 8, 14, 28, 56

Factors of 72: 1, 2, 3, 4, 6, 8, 9, 12, 18, 24, 36, 72

Common factors: 1, 2, 4, 8

Answer: 8 teams



How many students study at least one language?

30

How many students study ONLY Italian (and nothing else)?

8

How many students study at least 2 of the 3 languages?

12

Calculate the probability for each problem.

Jane flips a coin and rolls a six-sided die. What is the probability of getting heads and rolling a 3?

$\frac{1}{12}$

Jaden flips two coins. What is the probability of getting exactly one head?

$\frac{1}{2}$



Evaluate the following expressions given:

$$b = 7$$

$$d = 11$$

$$x = 3$$

$$y = 1$$

$$2x^2 + y = \boxed{19}$$

$$2b - y = \boxed{13}$$

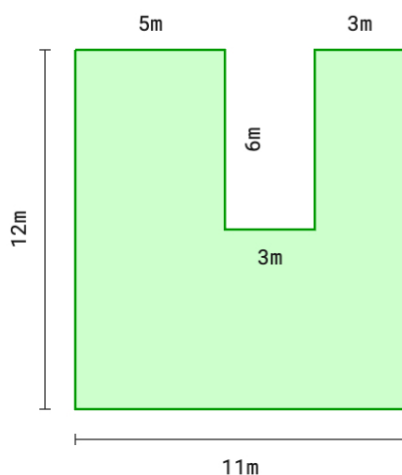
$$d^2 + y = \boxed{122}$$

$$\frac{b^2}{y} = \boxed{49}$$

$$\frac{2x}{y} = \boxed{6}$$

$$b + 2y = \boxed{9}$$

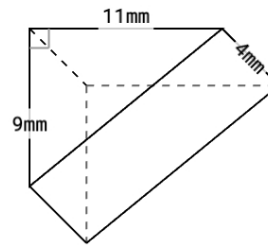
Work out the missing dimensions.
Then calculate the length of a fence perimeter
and the area of the grass within.



$$\text{Fence (perimeter)} = \boxed{58\text{m}}$$

$$\text{Grass (area)} = \boxed{114\text{m}^2}$$

Calculate the volume of the triangular prism.



$$\begin{aligned} V &= (b \times h \times l) \div 2 \\ &= (11 \times 9 \times 4) \div 2 \\ &= 396 \div 2 \\ \therefore V &= 198\text{mm}^3 \end{aligned}$$

Jaden's training involves running
around the block **3 times**. The block
is roughly **100m** wide and **700m** long.

What is the total distance that
Jaden covers?

$$\text{Perimeter} = 2 \times (100 + 700) = 1600\text{m}$$

$$\text{Total} = 1600\text{m} \times 3 = 4800\text{m}$$

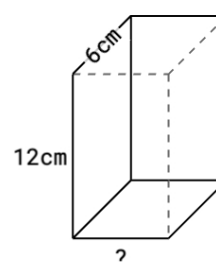
A train travelled **40 kilometres** at
100km/h. How long did they take?

$$40.0 \div 100 = 24 \text{ minutes}$$

A truck travelled for **18 minutes** at
110km/h. How far did they go?

$$110 \times 18 = 33.0 \text{ kilometres}$$

Calculate the width of the rectangular prism.



$$V = 504\text{cm}^3$$

Find width:

$$w = V \div (h \times l)$$

$$w = 504 \div (12 \times 6)$$

$$w = 504 \div 72$$

$$w = 7\text{cm}$$