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.

The combined age of Lucy, Sam and Tom is **257** years. Lucy is 12 years older than Sam and tom is 5 times as old as Sam. How old is each person?

Let L = Lucy's age
Let S = Sam's age
Let T = Tom's age

Express the Total:

Write L in terms of S: L =

Write T in terms of S: T =

Express the total in terms of S:

____ + ____ + ____ = 257

S = L = T =

There were 6 red, **6 blue** and 6 green marbles in a bag. Jane picked two marbles out of the bag.
What is the chance that neither of the marbles were green?

Jack is making a sandwich for lunch. They have **5** types of bread and **3** sauces. How many different sandwiches can Jack make?

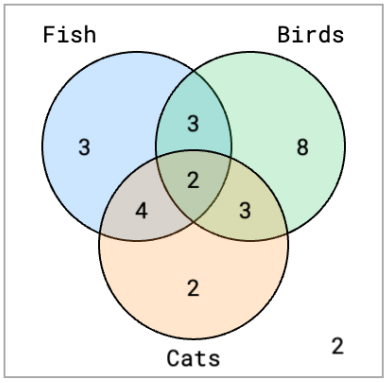
A rectangular room measures 35 m by 56 m. It is to be covered with the largest possible square tiles. What is the side length of each tile?

Factors of 35:

Factors of 56:

Common factors:

Answer: m



How many people own fish or birds but NOT cats?

How many people own exactly 2 of the 3 pets?

How many people own both fish and birds?

Calculate the probability for each problem.

Joshua rolls two six-sided dice. What is the probability that both dice show an even number?

Jasmine flips two coins. What is the probability that both coins land on heads?

Evaluate the following expressions given:
x = 4
d = 3
b = 2
y = 9

$x^2 - b =$

$3b + 2y =$

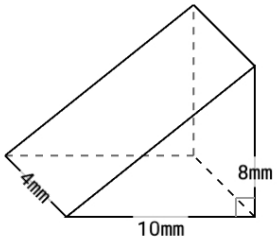
$xb + y =$

$3d - y =$

$by + d =$

$d^2 + b^2 =$

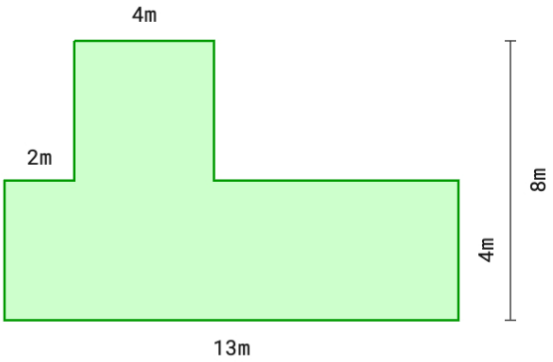
Calculate the volume of the triangular prism.



Jack's training involves running around the school **5 times.** The school is roughly **250m** wide and **800m** long.

What is the total distance that Jack covers?

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



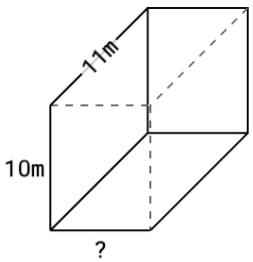
Fence (perimeter) =

Grass (area) =

A car travelled for **54 minutes** at **100km/h.** How far did they go?

A train travelled **24 kilometres** at **80km/h.** How long did they take?

Calculate the width of the rectangular prism.



V = 880m³

Read the story and solve for each of the variables.

The combined age of Lucy, Sam and Tom is **257** years. Lucy is 12 years older than Sam and tom is 5 times as old as Sam. How old is each person?

Let L = Lucy's age
Let S = Sam's age
Let T = Tom's age

Express the Total: L + S + T = 257

Write L in terms of S: L = S + 12

Write T in terms of S: T = 5S

Express the total in terms of S:

S + 12 + 5S + S = 257

S = 35 L = 47 T = 175

There were 6 red, **6 blue** and 6 green marbles in a bag. Jane picked two marbles out of the bag.
What is the chance that neither of the marbles were green?

12/18 × 11/17 = 132/306 = 22/51

Jack is making a sandwich for lunch. They have **5** types of bread and **3** sauces. How many different sandwiches can Jack make?

5 × 3 = 15

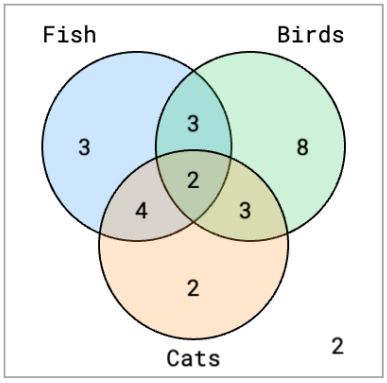
A rectangular room measures 35 m by 56 m. It is to be covered with the largest possible square tiles. What is the side length of each tile?

Factors of 35: 1,5,7,35

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

Common factors: 1,7

Answer: 7 m



How many people own fish or birds but NOT cats?

14

How many people own exactly 2 of the 3 pets?

10

How many people own both fish and birds?

5

Calculate the probability for each problem.

Joshua rolls two six-sided dice. What is the probability that both dice show an even number?

1/4

Jasmine flips two coins. What is the probability that both coins land on heads?

1/4

Evaluate the following expressions given:
x = 4
d = 3
b = 2
y = 9

$x^2 - b =$ 14

$3b + 2y =$ 24

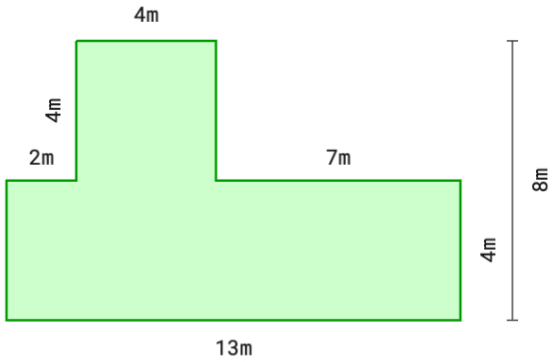
$xb + y =$ 17

$3d - y =$ 0

$by + d =$ 21

$d^2 + b^2 =$ 13

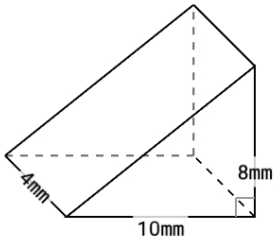
Work out the missing dimensions.
Then calculate the length of a fence perimeter and the area of the grass within.



Fence (perimeter) = 42m

Grass (area) = 68m²

Calculate the volume of the triangular prism.



V = (b × h × l) ÷ 2
= (10 × 8 × 4) ÷ 2
= 320 ÷ 2
∴ V = 160mm³

Jack's training involves running around the school **5 times.** The school is roughly **250m** wide and **800m** long.

What is the total distance that Jack covers?

Perimeter = 2 × (250 + 800) = 2100m
Total = 2100m × 5 = 10500m

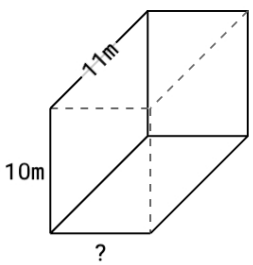
A car travelled for **54 minutes** at **100km/h.** How far did they go?

100 × 54 = 90.0 kilometres

A train travelled **24 kilometres** at **80km/h.** How long did they take?

24.0 ÷ 80 = 18 minutes

Calculate the width of the rectangular prism.



V = 880m³

Find width:
w = V ÷ (h × l)
w = 880 ÷ (10 × 11)
w = 880 ÷ 110
w = 8m