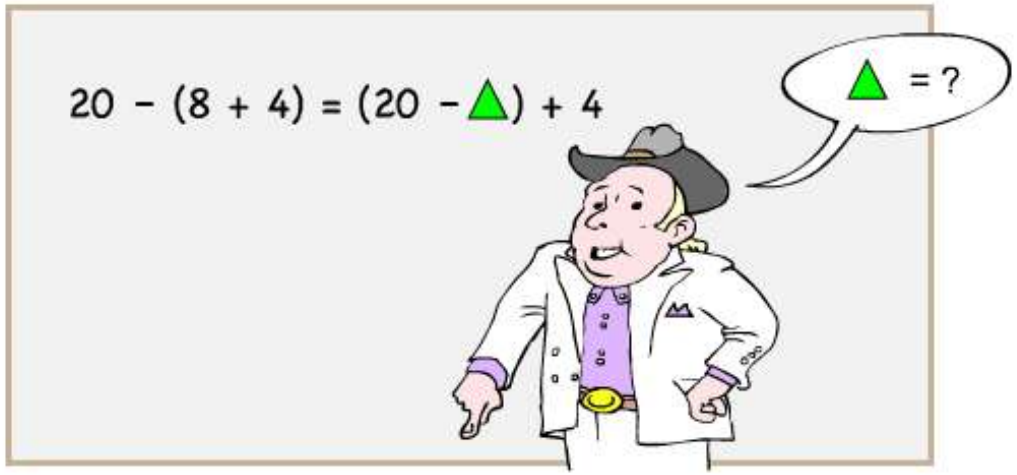
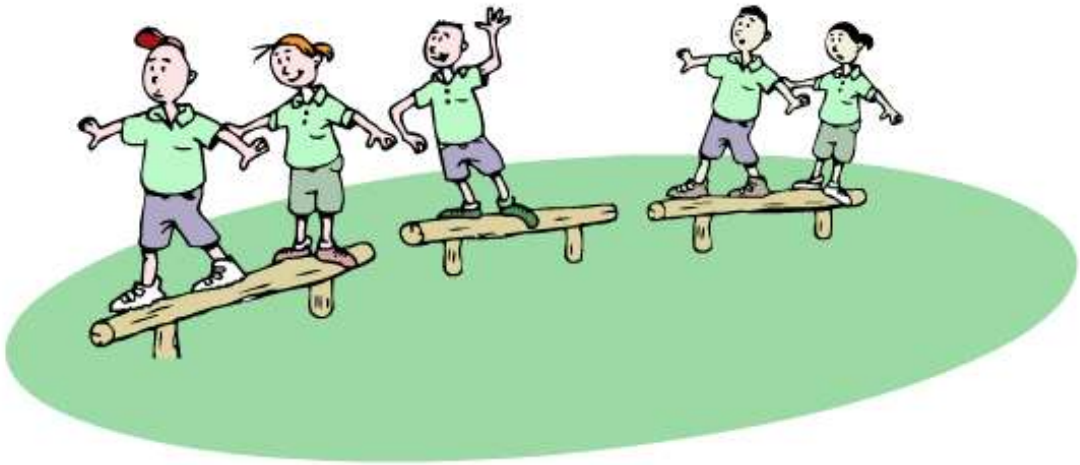
Lachlan walked three times as far as Jenson.

If together they walked 48 kilometres, how much further than Jenson did Lachlan walk?

- 12 km
- 18 km
- 24 km
- 36 km



- ⬭ 4
- ⬭ 8
- ⬭ 12
- ⬭ 16



The average age of five children was 7.

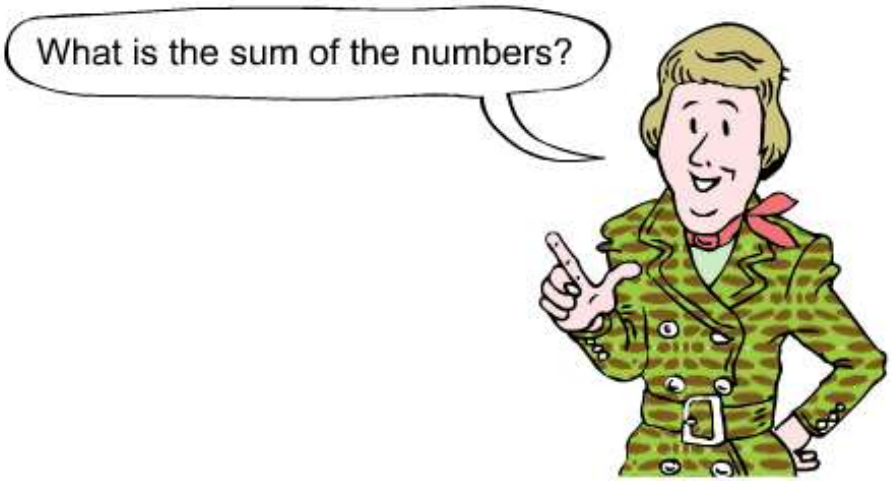
The ages of four of the children were 5, 9, 8 and 5.

How old was the fifth child?

- 8
- 7
- 6
- 5

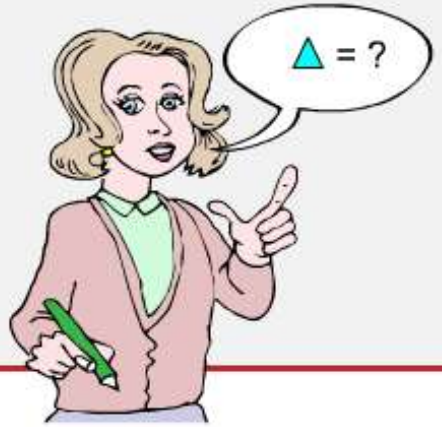
Consecutive whole numbers are numbers in order such as 16, 17 and 18.

The product of three consecutive **odd** numbers is 105.



- 9
- 15
- 21
- 27

In the number sentence (12 △ 3) − (8 △ 4) = 4,
the same operation sign is used in both brackets.

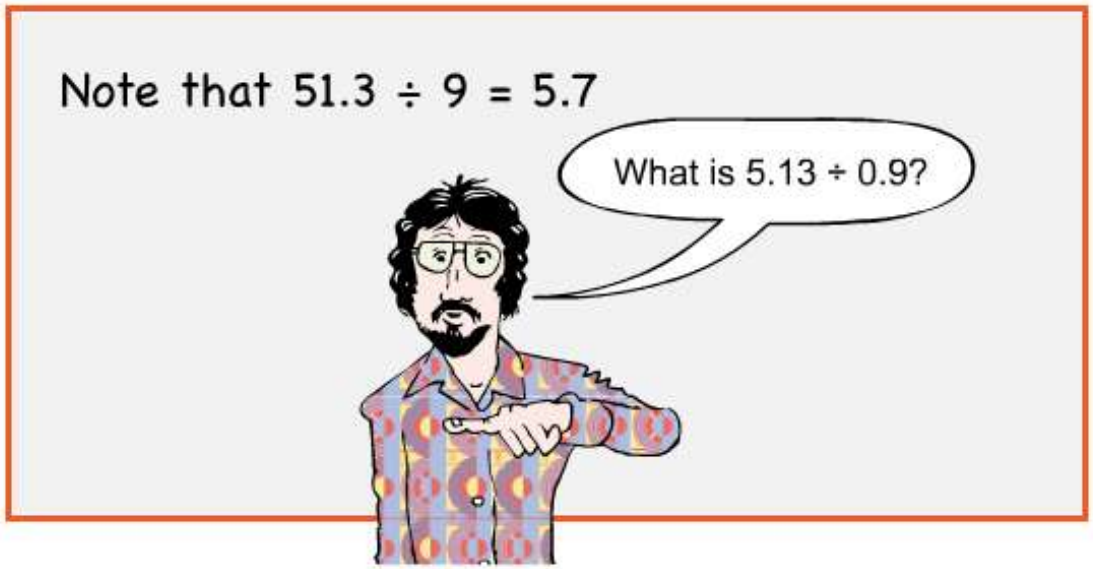


+	−	×	÷

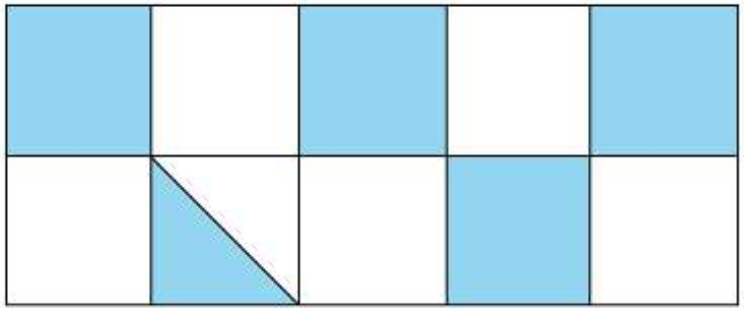
Mugs can be bought for $5.95 each or in packs of six for $35.00. Wayne wants to buy a dozen of the mugs.

How much does he save by buying them in packs rather than separately?

- ⬭ $0.70
- ⬭ $1.40
- ⬭ $1.80
- ⬭ $2.10



- 0.057
- 0.57
- 5.7
- 57



What fraction of the shape is shaded?

- $\frac{2}{5}$
- $\frac{3}{8}$
- $\frac{9}{20}$
- $\frac{11}{25}$

When Ayano and Yvonne started their business, Ayano provided 60% of the money.

If Ayano provided $12 000, how much money was there altogether?

- $7200
- $20 000
- $50 000
- $72 000

In this number square, the rows and columns add up to the given totals. Some of the entries are missing.

				Total
	8	20		31
	23		15	
		16	P	52
Total		42	40	Q

What is the value of P?

- 5
- 12
- 22
- 25

In this number square, the rows and columns add up to the given totals. Some of the entries are missing.

				Total
	8	20		31
	23		15	
		16	P	52
Total		42	40	Q

What is the value of Q?

- 105
- 113
- 121
- 127

A bag of lollies is to be shared among a group of boys.

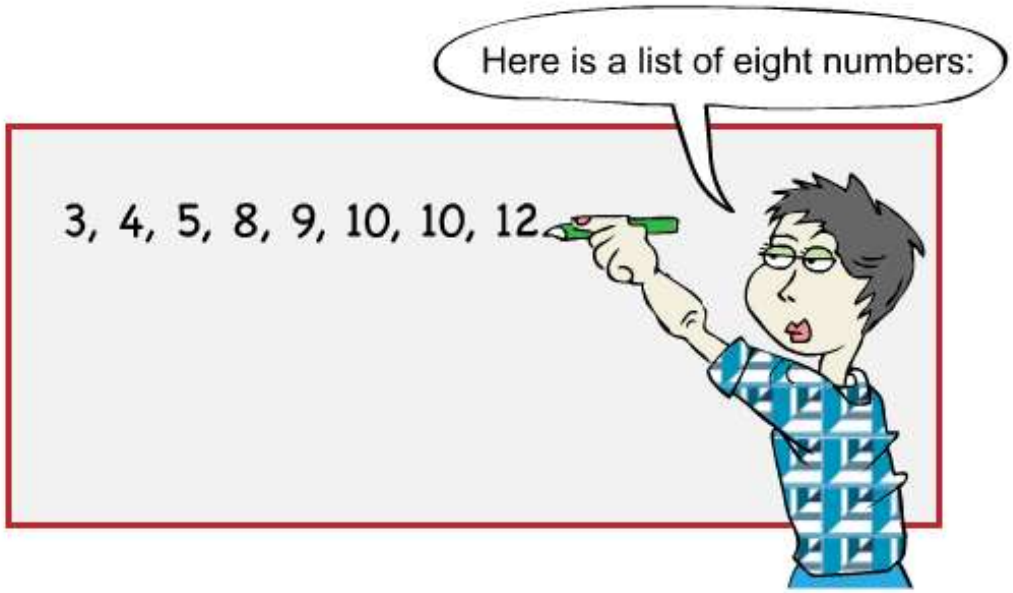
If the lollies are shared between two boys there will be one lolly left over.

If the lollies are shared between three boys, there will be one lolly left over.

If the lollies are shared between five boys, there will be one lolly left over.

What is the smallest possible number of lollies in the bag?

- 11
- 21
- 26
- 31



Which number should be left out so that the average of the remaining numbers is 7?

- 5
- 8
- 10
- 12

The table shows the ages of Margot, her sister (Rachael) and her mother (Dorothy).

Age of Margot	Age of Rachael	Age of Dorothy
12	24	48

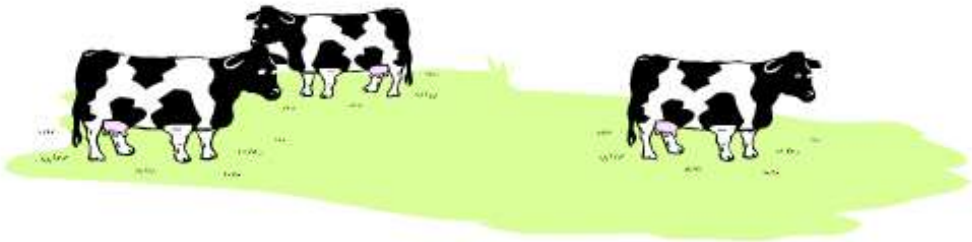
Which statement is **not** correct?

- Rachael is twice the age of Margot.
- Margot's age is 25% of Dorothy's age.
- The sum of Margot's age and Rachael's age is less than Dorothy's age.
- Rachael's age is halfway between Margot's age and Dorothy's age.

A survey was conducted to find the population of a holiday town in three months of the year.
In November, the population was 6000.
In January the population had increased by 50% since November.
In March the population had decreased by 50% since January.

What was the population in March?

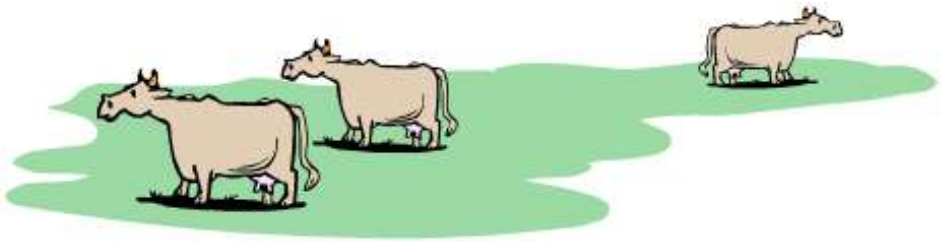
- 4500
- 5000
- 6000
- 9000



A farm has 120 cattle, three-fifths are cows and the rest are calves. All of the cattle are in two paddocks, some in the paddock on the hill and some in the paddock beside the river. Of the cattle in the paddock on the hill, one-quarter are calves. Two-thirds of the cows are in the paddock by the river.

How many cows are in the paddock on the hill?

- 24
- 40
- 48
- 72

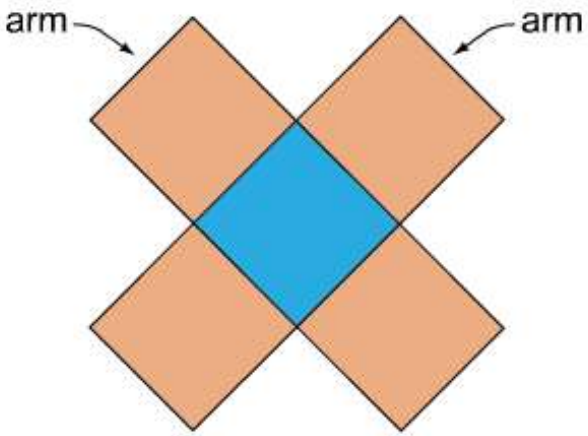


A farm has 120 cattle, three-fifths are cows and the rest are calves. All of the cattle are in two paddocks, some in the paddock on the hill and some in the paddock beside the river. Of the cattle in the paddock on the hill, one-quarter are calves. Two-thirds of the cows are in the paddock by the river.

How many calves are in the paddock by the river?

- 24
- 32
- 40
- 42

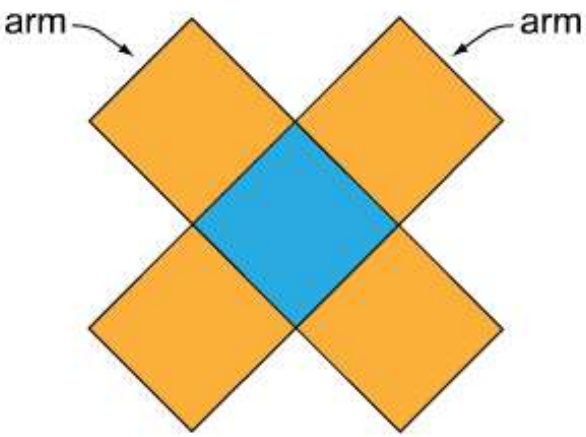
The numbers 1, 3, 5, 7 and 9 are to be placed in the squares that make up this cross, one number in each square, so that the three numbers along each arm add to the same number.



Which number **cannot** be placed in the blue square?

- 1
- 5
- 7
- 9

The numbers 1, 3, 5, 7 and 9 are to be placed in the squares that make up this cross, one number in each square, so that the three numbers along each arm add to the same number.



How many different possible sums are there for the three numbers on each arm?

- 3
- 4
- 5
- more than 5

Natasha knows the masses of groups of discs  and blocks  .

She knows that four discs and one block have a total mass of 11 kilograms, and the total mass of two discs and three blocks is 13 kilograms.

What is the mass of one block?

- 1 kg
- 2 kg
- 3 kg
- 4 kg