

Prime Time

Find how many prime numbers there are between 10 and 20.

Multiply this number by itself.



Families

Mr and Mrs McAuley have seven daughters.

Each daughter has one brother.



How many people are there in the
McAuley family?

Handshakes

Six people are in a room.

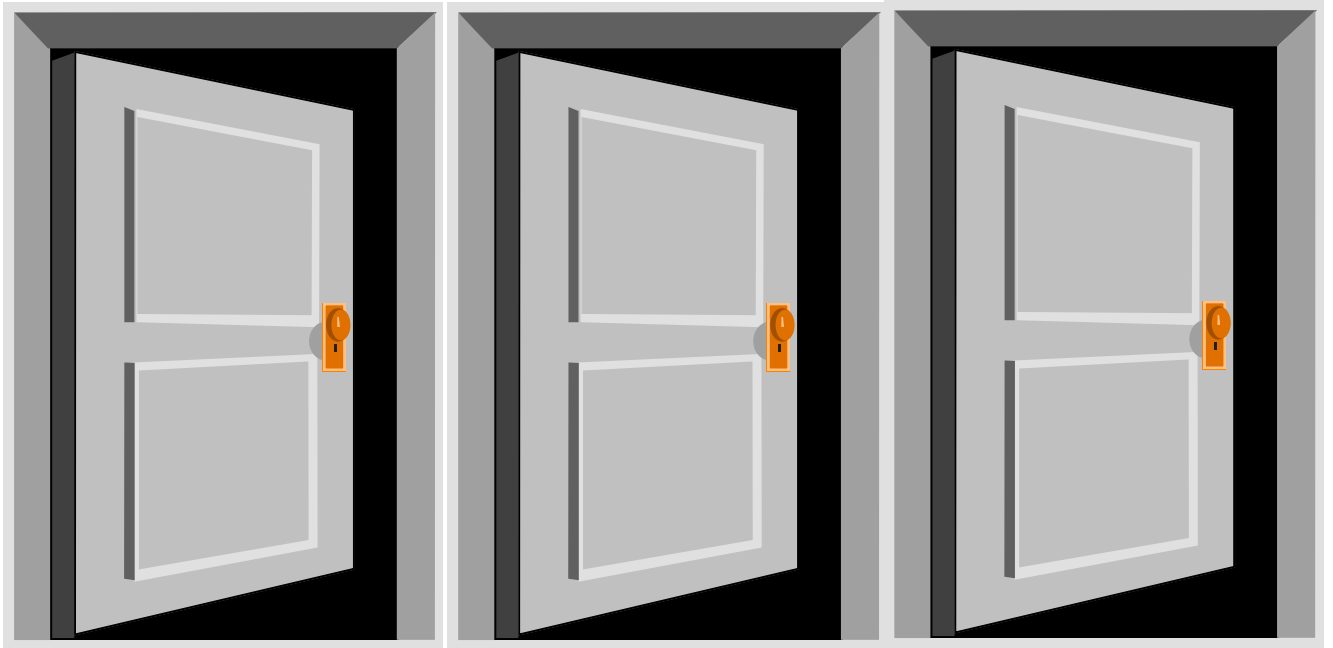
Each person shakes hands once with
everybody else.

How many handshakes will there be?



Door Numbers

The doors in a new school are to be numbered from 1 to 100.

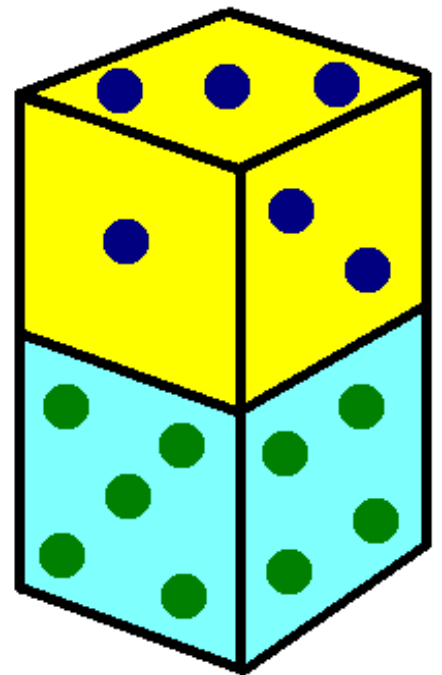


How many 9s will be needed?

Dice

Two dice are stuck together as shown, and set on a table.

You are able to walk around and see the back of these dice.

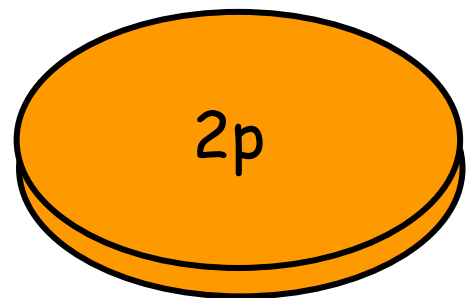
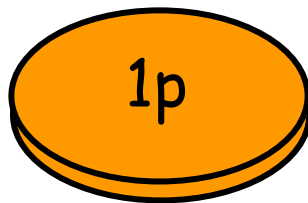
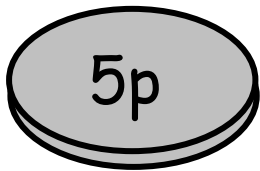


There are still three faces which you will never see.

What do the numbers on these three hidden faces add up to?

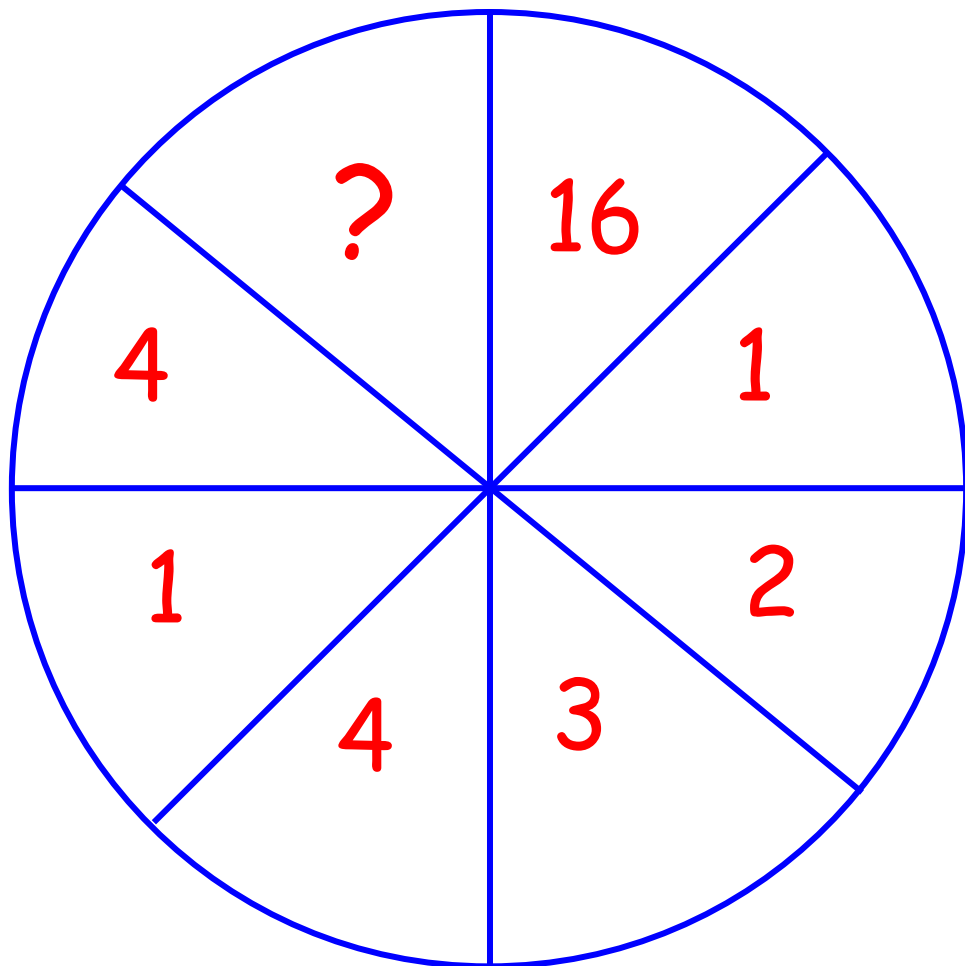
Sum Coins

How many **different amounts** can I
make using only a 1p, 2p and 5p coin?



Wheel

Find the missing number.



The News

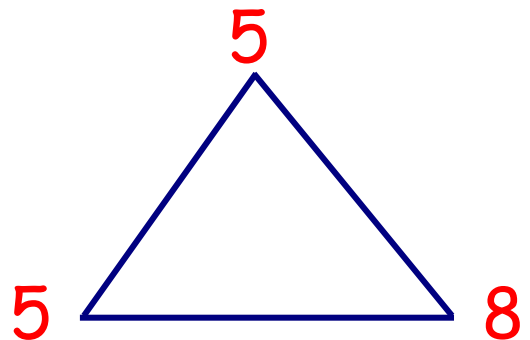
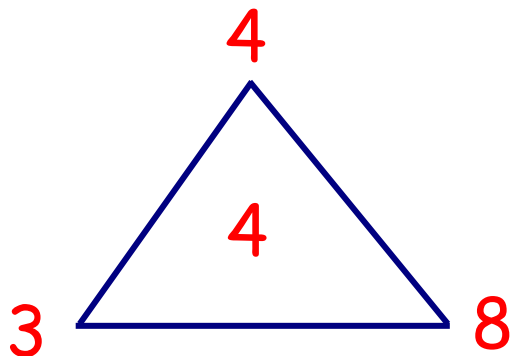
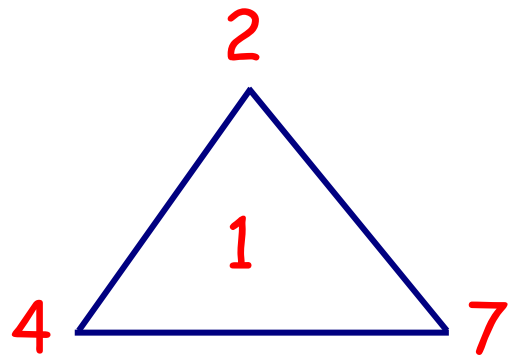
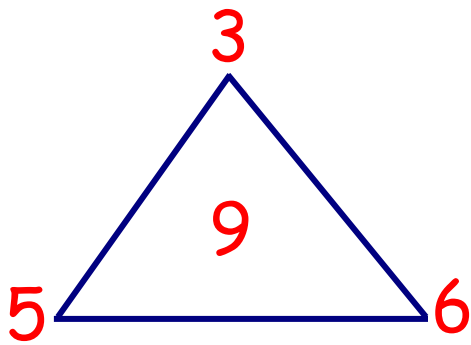
A newspaper is made up of 8 double sheets.

If page 3 is missing, which other **odd** numbered page must be missing?



Triangles

What number should be in the empty triangle?

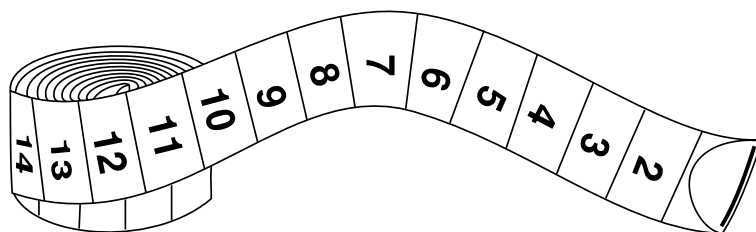


String Along

I cut a piece of string into 14
equal pieces.

Each cut took 1 second.

How long did the whole job take?



Down the Drain

A spider fell down a drain pipe 20 metres long.

The sides of the pipe were vertical and very, very smooth and slippery.

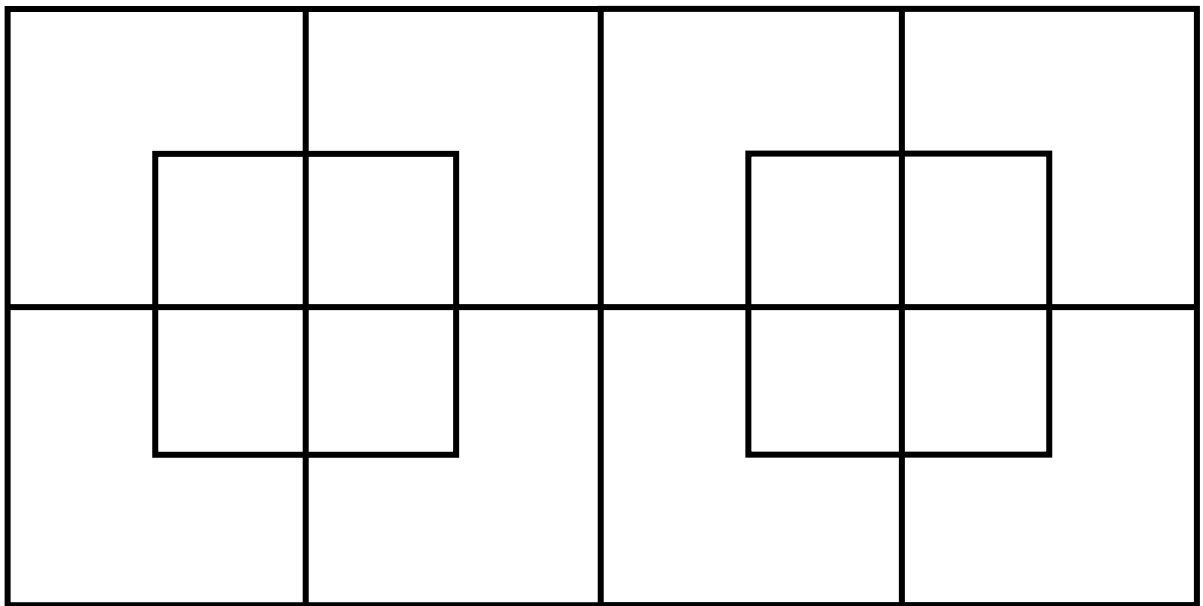
Each day the spider managed to climb up 5 metres, but slid back 2 metres.

How many days did the spider take to get to the top of the pipe?



Squares

How many squares are there in the figure drawn below?



Sum Time

Add together the number of seconds in a minute, the number of minutes in an hour, and the number of hours in a day.

Divide your answer by the number of months in a year.

