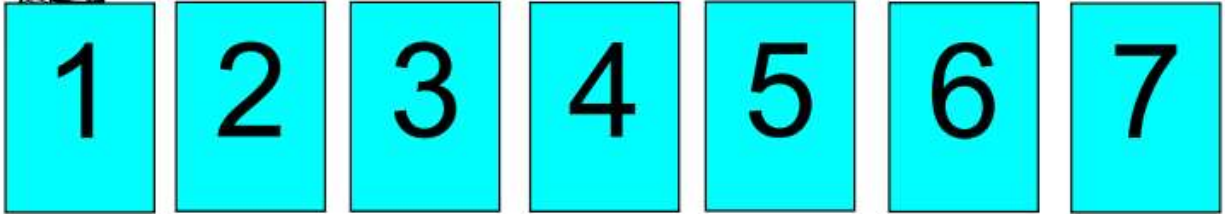


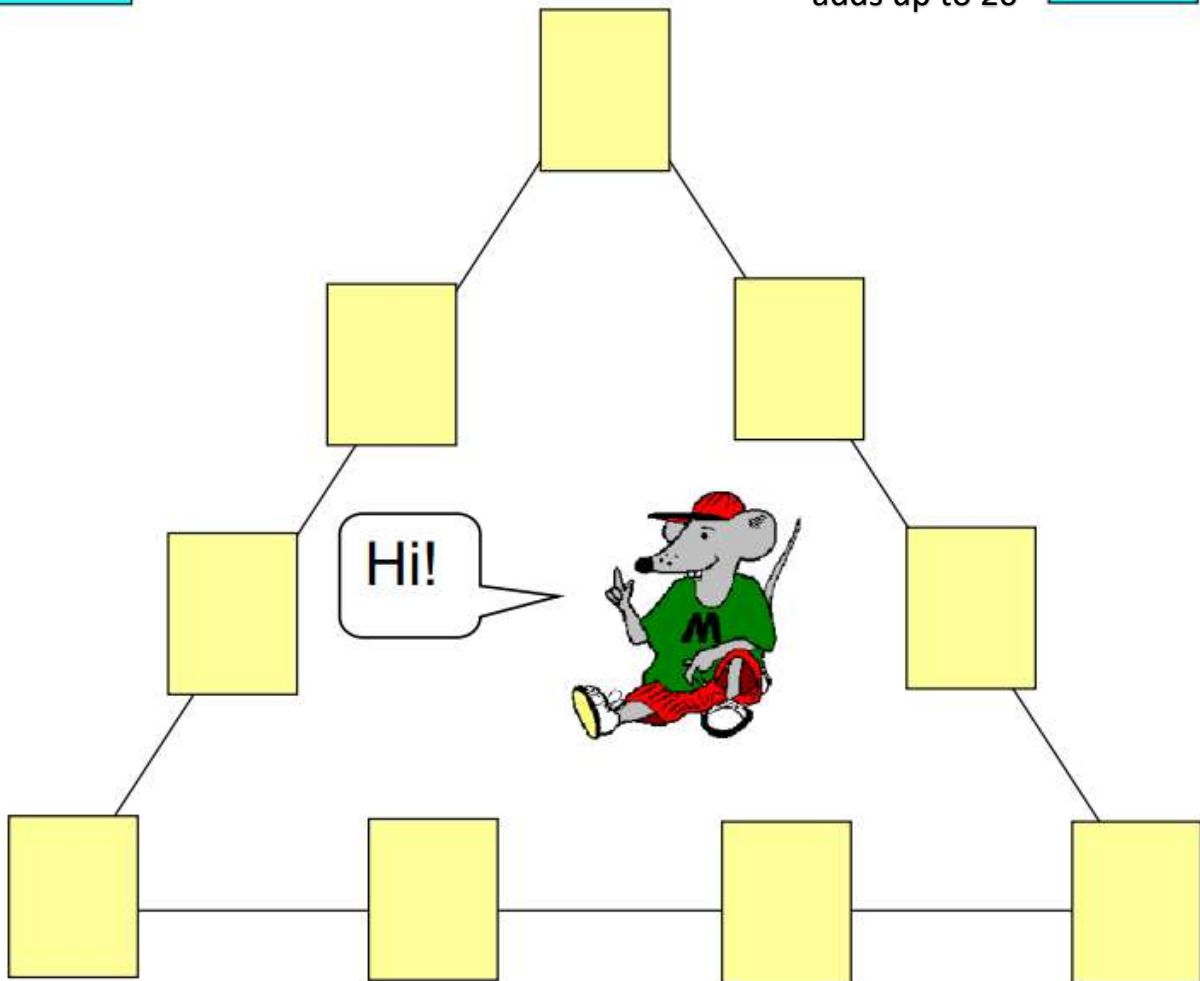
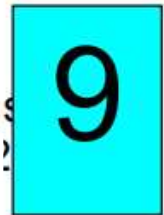


# Puzzle time

## Tricky twenty triangle



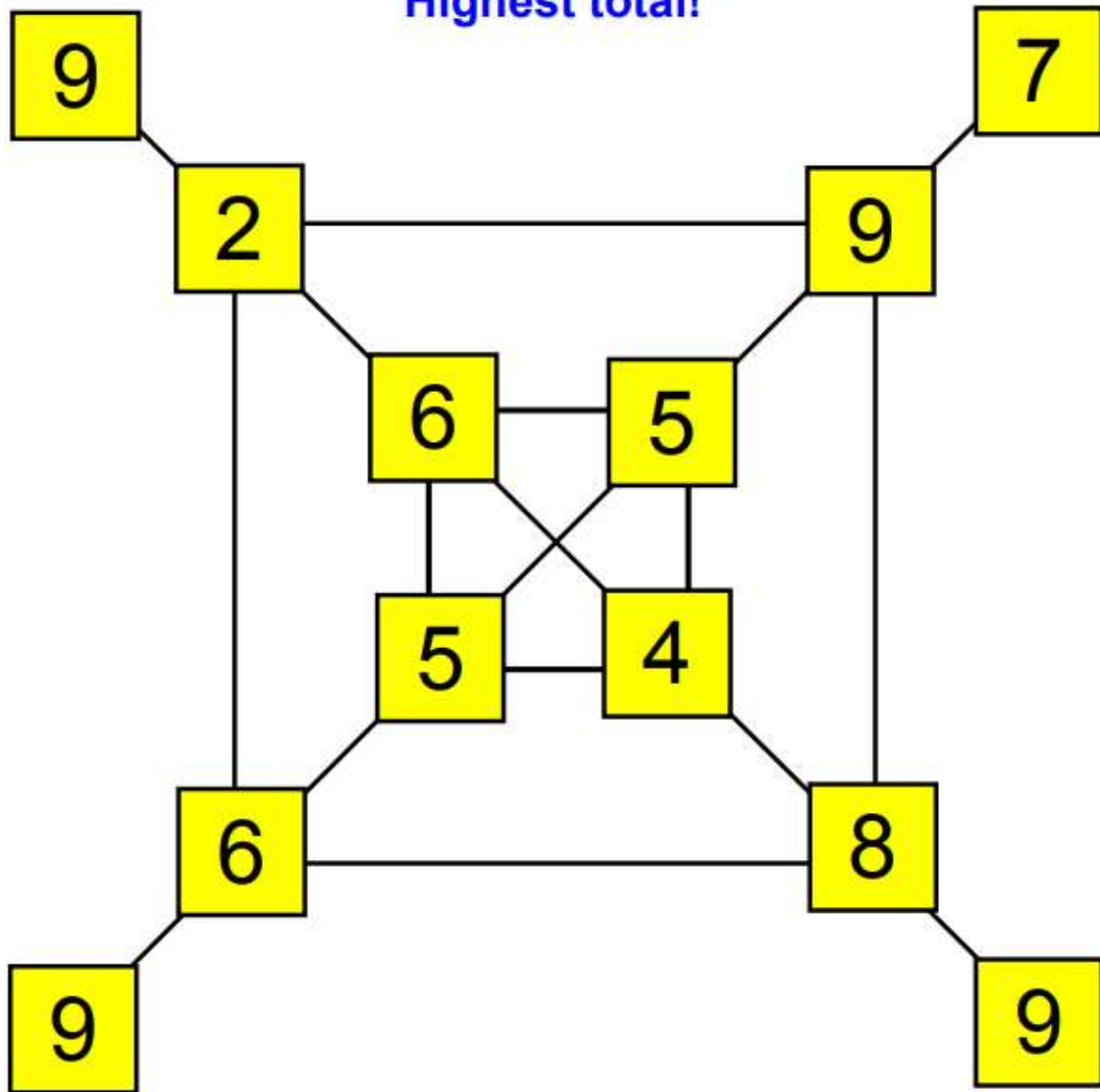
Put the numbers 1 to 9 in the boxes below  
That each side of the triangle  
adds up to 20





## Puzzle time

Highest total!



Start anywhere and collect five numbers by following the paths - no jumping or going back over a path twice!

What is the highest total you can make?



## Puzzle time

### Dress 'Addy'

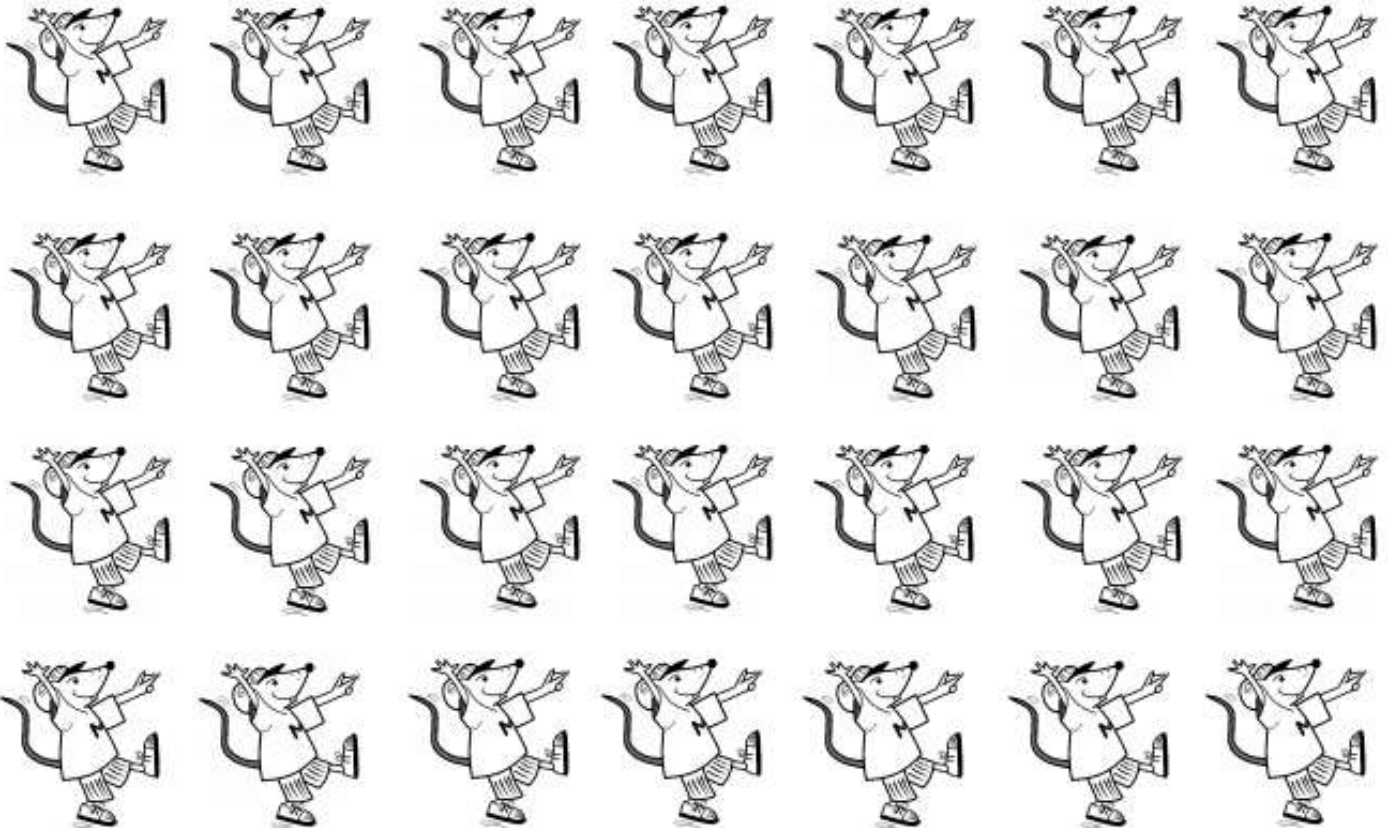
Addy likes **red**, **blue** and **yellow**.

He has a **red**, a **blue** and a **yellow** hat.

He has a **red**, a **blue** and a **yellow** t-shirt and he has a **red**, a **blue** and a **yellow** pair of shorts.



How many different ways can I dress - perhaps I could start with a red hat, red shirt and red shorts....



Look at the magic square below. The total along any line, horizontal, vertical or diagonal is the same. The 'magic number' for this square is 34. Now complete the activity sheet provided.

<b>2</b>	<b>7</b>	<b>12</b>	<b>13</b>
<b>16</b>	<b>9</b>	<b>6</b>	<b>3</b>
<b>5</b>	<b>4</b>	<b>15</b>	<b>10</b>
<b>11</b>	<b>14</b>	<b>1</b>	<b>8</b>

a)

<b>8</b>		<b>9</b>
	<b>6</b>	
<b>3</b>		<b>4</b>

b)

<b>13</b>	<b>9</b>	<b>8</b>
<b>12</b>		

c)

<b>3</b>		
<b>10</b>	<b>5</b>	
<b>2</b>		



## Nickname Challenge

Jack, Billie, Francis and Abbie are cousins. They each have a nick-name. Their nick-names are Bambi, Cheeky, Ducky and Giggles but not in that order. What is the nickname of each of the cousins?

### Clues

Francis plays tennis with Cheeky and goes swimming with Ducky and Bambi

Abbie has been on holiday with Cheeky but travels to school with Giggles and Ducky.

Bambi, Cheeky and Jack play in the football team.

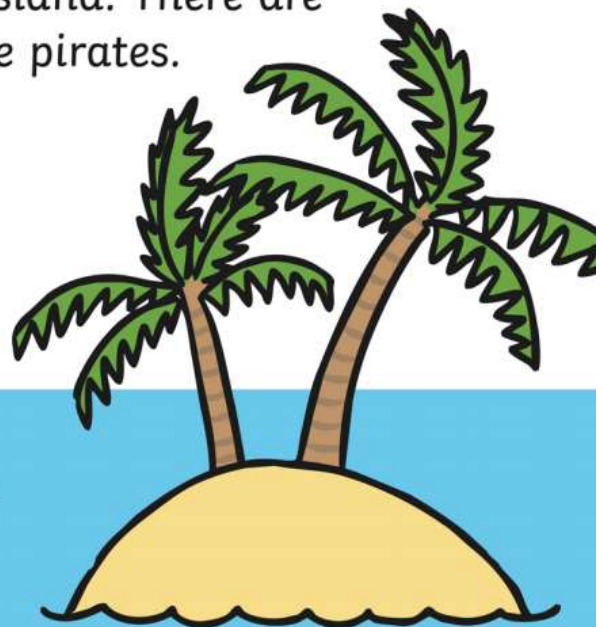
Bambi sometimes goes to tea with Francis.



## Pirate Island Challenge

Four pirates want to sail to an island. There are two female pirates and two male pirates.

The boat will only hold two women or one man.



How can all four of them get to the island?



## Treasure Challenge

Jane and Simon have three jewels:  
a diamond (D), a ruby (R) and an emerald (E).



Jane	D	E							
Simon	R								

Complete the table.

Show what jewels  
each pirate could have.



twinkl

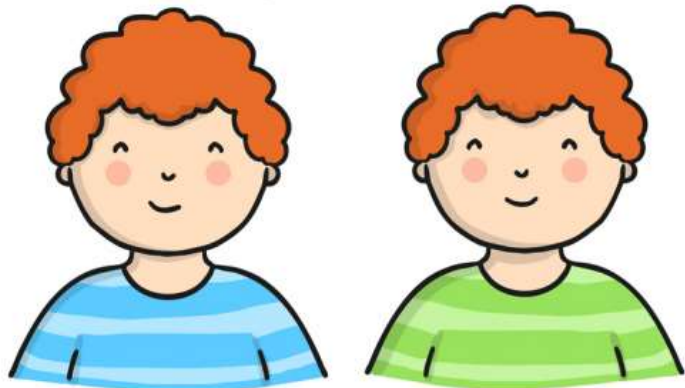
## Stamp Collection Challenge

Edward and Eric collected some stamps.

They each had the same total number.  
Edward had 3 full sheets and 4 loose stamps.  
Eric had 2 full sheets and 12 loose stamps.

Every full sheet has the  
same number of stamps.

How many stickers are  
there in a full sheet?



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