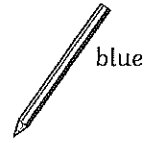
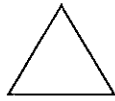
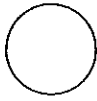
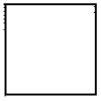




1) Eliza is going to draw a coloured shape. She can choose from 4 different shapes and 2 different colouring pencils.









a) How many possible coloured shapes could she draw? Draw them below.

b) Complete the tables to show all the possible coloured shapes she could draw.

Shape	square	circle						
Colour	blue	blue	blue	blue				

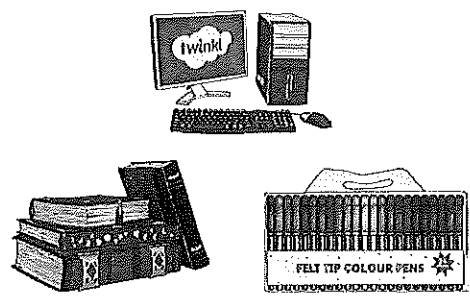
2) Here are the different flavours and toppings at the ice cream parlour.

Flavours	Vanilla		Strawberry		Chocolate	
	Cherry		Flake		Sprinkles	

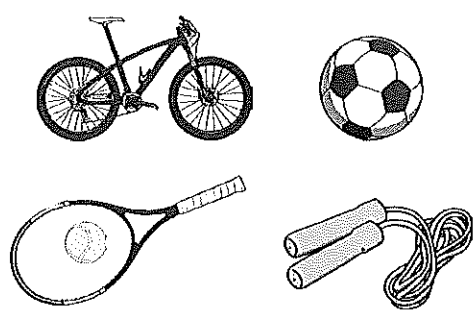
Jayden isn't sure which ice cream or which topping to get. List all the different possible combinations that he could choose.



Indoor Activities



Outdoor Activities

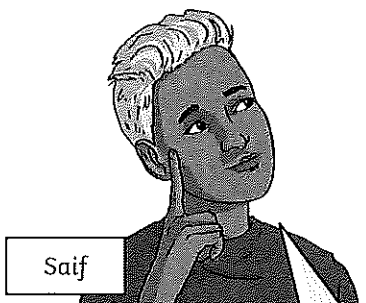


- 1) At after-school club, the children choose 1 indoor and 1 outdoor activity.
a) How many different combinations of activities could they choose?

_____ × _____ = _____

There are _____ different combinations.

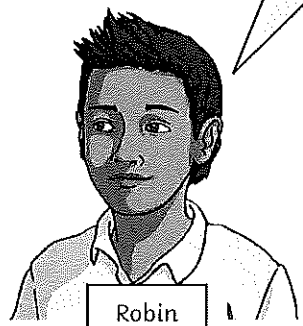
- 2) Robin can't ride a bike. How many different combinations of activities would he be able to choose? _____
- 3) Three children are discussing how to find how many different combinations of indoor and outdoor activities they could choose.



Saif

You can multiply 4 and 3 to find the answer.

You can list all the different possibilities in a table.



Robin



Isha







You can add 4 and 3 to find the answer.

- a) Who is correct?

- b) Whose way is the best? Why?



1) a) Fill in each row of the table to show how many different types of pizzas Anna could make. She can only use 1 topping on each pizza.

Size of Pizza	Pizza Topping	Number of Different Pizzas
		
		
		

b) What pattern can you see in the answers?

c) Explain why this pattern exists.

d) Use the pattern to work out how many different pizzas Anna could make with 10 different toppings and 3 different sizes to choose from.

2) a) Finley can make 15 different possible pizzas. He can choose to use a small, medium or large pizza base. How many different toppings can he choose from?

b) Lacey can make 24 different pizzas. How many different sizes of pizza and different toppings might she have to choose from? Find all the possibilities.

Avalanche Rescue – Internet Research

Spend time on the internet researching the methods of rescuing people caught up in an avalanche. Complete the table below to show your findings.

Rescue method	How it works	How successful is it?	Sketch
Avalanche cord			
Beacon			
Probe			
Air bag			
Rescue dog			

Avalanche Rescue Word Search

All the words below are associated with the rescue of people trapped in an avalanche. See if you can find them all in the word search.

W	V	Y	E	N	O	H	P	E	L	I	B	O	M	A	N	Z	H
T	B	S	O	S	K	V	S	E	V	I	S	O	L	P	X	E	X
A	A	N	U	N	I	B	P	U	N	S	G	X	F	E	G	X	C
A	R	O	N	O	E	E	N	L	D	P	P	J	Z	E	D	W	E
I	Q	W	F	W	L	E	V	N	B	G	H	R	M	N	C	T	D
I	V	N	E	F	J	V	H	E	L	I	C	O	P	T	E	R	Q
O	P	E	U	E	L	A	G	G	Z	R	L	Z	S	X	F	S	E
V	R	T	J	N	V	G	I	A	U	O	C	C	U	S	C	C	G
E	O	J	E	C	Q	Y	F	X	B	T	Q	Y	K	R	Q	L	O
T	B	D	F	E	Y	R	V	W	E	R	B	E	A	C	O	N	D
F	E	B	N	A	V	A	L	U	N	G	I	F	K	J	H	L	E
K	S	M	B	U	A	U	O	M	T	K	K	A	B	W	U	T	U
N	S	H	O	V	E	L	N	O	I	T	N	E	V	E	R	P	C
M	D	R	O	C	E	H	C	N	A	L	A	V	A	V	P	X	S
X	Q	R	P	T	G	C	E	Z	J	Q	T	I	H	F	A	G	E
T	R	A	N	S	C	E	I	V	E	R	S	D	K	E	W	O	R
D	X	X	Y	U	J	P	Z	U	D	E	O	W	Y	X	L	C	B
W	U	J	Q	W	C	L	H	J	K	F	Y	F	Z	H	A	T	R

airbag
 avalanche cord
 Avalung
 beacon
 explosives

GPS
 helicopter
 mobile phone
 prevention
 probes

rescue dog
 shovel
 snow fence
 snow net
 transceiver

Extension

If there are some words in the list that you have not come across before, find out what they are and write a definition in the box below.

Word	Definition

Avalanche Diary Entry

The Rescuer

Write a diary entry from the point of view of an avalanche rescuer

Things to include in your diary entry:

- details about how avalanches start and the dangers they pose;
- what happened at Hotel Rigopiano;
- how your character heard the avalanche had engulfed the hotel;
- what happened to them in the following hours;
- an account of what the rescue was like;
- their feeling when the rescuer and victim emerged into the open air.

Think also about all your senses – what do you see, hear, smell, feel and taste?