

Activity pack for nine to ten year olds



Inside the pack you will find a variety of educational, fun and practical activities to keep your children entertained whilst home-learning.

Complete the sums below.

Math—Solving addition problems

www.jumpstart.com



Addition Mission

Our mission is to solve the addition problems and write the answers in the shapes.

A

1. _____
2. _____
3. _____

$$\begin{array}{r} 1. \quad 296 \\ + 49 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 704 \\ + 36 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 195 \\ + 75 \\ \hline \end{array}$$

B

1. _____
2. _____
3. _____

$$\begin{array}{r} 1. \quad 416 \\ + 108 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 67 \\ + 220 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 532 \\ + 93 \\ \hline \end{array}$$

C

1. _____
2. _____
3. _____

$$\begin{array}{r} 1. \quad 540 \\ + 87 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 628 \\ + 191 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 43 \\ + 807 \\ \hline \end{array}$$



Rats! (No, not B.F. Skinny.) To complete the mission we have to figure out which shape has the largest sum of answers. Total the three answers in each, then let me know if it's A, B, or C.



There's a Pattern Here

Dr. X is usually up to no good. I know that because he has a pattern of bad behavior. That means I'm able to predict what he may do. We all use patterns to make predictions and solve problems. Try your hand at a couple of pattern puzzlers. Study each item. Look for the pattern. Write what it is. Then fill in the missing parts.

Pattern Puzzler #1

$\begin{array}{r} 52 \\ -17 \\ \hline 35 \end{array}$	$\begin{array}{r} 54 \\ -19 \\ \hline 35 \end{array}$	$\begin{array}{r} 56 \\ -21 \\ \hline 35 \end{array}$	$\begin{array}{r} 60 \\ -23 \\ \hline 35 \end{array}$	$\begin{array}{r} 62 \\ -27 \\ \hline 35 \end{array}$	$\begin{array}{r} 64 \\ -29 \\ \hline 35 \end{array}$
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What is the pattern? _____

Pattern Puzzler #2

13	18	17
20	16	12
	14	19

What is the pattern? _____



If you got these, you are an ACE as solving puzzles. So, here's a new challenge. Can you create a puzzle for someone else to solve?

Multiplying by 9 - find the answer to each equation

7	9	8	9	9	1	6	9	9	2
<u>x 9</u>	<u>x 10</u>	<u>x 9</u>	<u>x 9</u>	<u>x 4</u>	<u>x 9</u>	<u>x 9</u>	<u>x 3</u>	<u>x 5</u>	<u>x 9</u>

9	1	9	9	10	4	6	5	8	9
x 3	x 9	x 7	x 2	x 9	x 9	x 9	x 9	x 9	x 9

9	3	1	9	9	6	9	4	7	10
$\times 9$	$\times 9$	$\times 9$	$\times 8$	$\times 5$	$\times 9$	$\times 2$	$\times 9$	$\times 9$	$\times 9$

9	9	9	9	1	9	2	3	9	9
$\times 10$	$\times 7$	$\times 5$	$\times 9$	$\times 9$	$\times 8$	$\times 9$	$\times 9$	$\times 6$	$\times 4$

5	9	8	9	9	9	10	6	7	2
$\times 9$	$\times 9$	$\times 9$	$\times 1$	$\times 3$	$\times 4$	$\times 9$	$\times 9$	$\times 9$	$\times 9$

9	2	5	3	9	1	7	9	9	9
$\times 9$	$\times 9$	$\times 9$	$\times 9$	$\times 6$	$\times 9$	$\times 9$	$\times 4$	$\times 8$	$\times 10$

1	9	9	9	9	9	9	9	6	3
$\times 9$	$\times 10$	$\times 7$	$\times 5$	$\times 2$	$\times 8$	$\times 9$	$\times 4$	$\times 9$	$\times 9$

9	9	8	9	5	9	9	9	9	4
$\times 7$	$\times 6$	$\times 9$	$\times 9$	$\times 9$	$\times 3$	$\times 10$	$\times 2$	$\times 1$	$\times 9$

9	9	7	2	6	4	1	9	10	9
x8	x3	x9	x9	x9	x9	x9	x9	x9	x5

10	2	6	9	9	9	1	9	9	3
$\times 9$	$\times 9$	$\times 9$	$\times 5$	$\times 7$	$\times 8$	$\times 9$	$\times 9$	$\times 4$	$\times 9$

Match the words on the left with words on the right to form compound words.

a) Cuddle

b) Air

c) Awe

d) Angel

e) Button

f) Battle

g) Cork

h) Crow

i) Dust

j) Eye

k) Foot

l) Green

m) Hot

n) Jig

o) May

Cry

Fish

Hole

Plane

Ball

Some

Storm

Light

Struck

Flower

Saw

Screw

Bar

Note

Bed



Laugh Riot

The couple seems to be having a lot of fun. What do you think they are talking about? Use your imagination and write down their conversation in the space provided below.



Practice your spelling

Ask someone to read the words below to you and see how many you can spell!



Spelling word list for Year 5 and Year 6

100 words that children in England are expected to be able to spell by the end of Year 6 (age 11). How many can you spell?

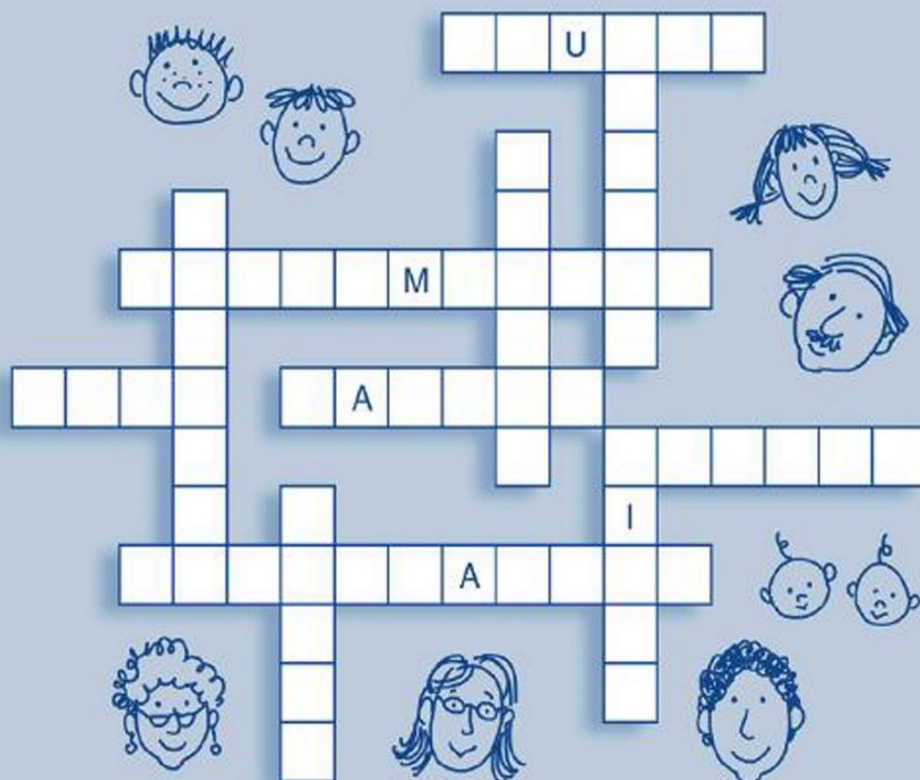
accommodate	correspond	identity	queue
accompany	criticise (critic + ise)	immediate(ly)	recognise
according	curiosity	individual	recommend
achieve	definite	interfere	relevant
aggressive	desperate	interrupt	restaurant
amateur	determined	language	rhyme
ancient	develop	leisure	rhythm
apparent	dictionary	lightning	sacrifice
appreciate	disastrous	marvellous	secretary
attached	embarrass	mischievous	shoulder
available	environment	muscle	signature
average	equip (-ped, -ment)	necessary	sincere(ly)
awkward	especially	neighbour	soldier
bargain	exaggerate	nuisance	stomach
bruise	excellent	occupy	sufficient
category	existence	occur	suggest
cemetery	explanation	opportunity	symbol
committee	familiar	parliament	system
communicate	foreign	persuade	temperature
community	forty	physical	thorough
competition	frequently	prejudice	twelfth
conscience	government	privilege	variety
conscious	guarantee	profession	vegetable
controversy	harass	programme	vehicle
convenience	hindrance	pronunciation	yacht

Types of Dog

H	G	E	L	P	H	D	U	H	O	T	G	M	E
S	H	E	N	E	U	A	S	C	S	B	I	R	E
R	B	O	X	E	R	C	D	E	A	U	R	R	H
H	N	B	R	L	M	H	D	N	R	L	E	A	R
C	C	O	R	G	I	S	N	I	E	L	I	O	P
O	D	N	U	O	H	H	A	I	H	D	R	R	I
L	R	H	U	R	E	U	S	R	H	O	R	E	N
L	A	R	H	D	D	N	U	B	C	G	E	T	S
I	H	T	A	B	A	D	T	L	S	E	T	T	C
E	E	A	D	A	L	M	A	T	I	A	N	E	H
L	M	A	S	T	I	F	F	H	B	A	H	S	E
S	C	H	I	H	U	A	H	U	A	O	P	S	R
T	E	H	M	I	R	B	E	A	G	L	E	B	A
O	T	L	T	S	M	S	H	E	P	H	E	R	D

DALMATIAN
DACHSHUND
BEAGLE
PINSCHER
SHEPHERD
MASTIFF
SETTER
CHIHUAHUA
BULLDOG
COLLIE
HOUND
CORGI
TERRIER
BOXER

mother
father
sister
brother
grandmother
grandfather
aunt
uncle
cousin
niece
nephew



A Little Word Search Puzzle to Prepare for ☆

Harry Potter World

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

Ollivanders
Forbidden Journey
Hogwarts
Knockturn Alley
Leaky Cauldron
Butter Beer
Kings Cross Station
Honeydukes
Hogsmeade Village
FlyingCar
Gringotts
Flight Of The Hippogriff
Dragon
Mermaid
Wands
Three Broomsticks



meandmyinklings.com



Calm picture

Write the word CALM as large as possible and colour in the word. Add pictures of things that help you feel calm. Use calming colours. Stare at the picture and see how calm you feel. Close your eyes and make your picture very small – like a postage stamp. Keep this little picture anywhere you like in your body – heart, head etc. Whenever you are feeling stressed and anxious, you can look at your calm picture and feel calm.

Calm box

Make up a calm box so you always have something to help you feel calm. Find a box and put things that make you feel calm inside it, like a pebble, a feather, a stress ball, a picture or a cuddly toy.

relax Kids

Calm Cards

www.relaxkids.com

relax Kids

*Today I will
breathe like
the tide'*

This is a great affirmation
to keep your breathing
steady when you feel
anxious or stressed.

www.relaxkids.com

relax Kids

*Today I will
be serene
like a swan'*

Repeat this affirmation
and notice how relaxed
you become.

www.relaxkids.com

relax Kids

*Today I
will be cool
like the moon'*

This is a great
affirmation to help you
feel peaceful.

www.relaxkids.com

relax Kids

*Today I will
float like a
cloud'*

This is a great
affirmation to help you
feel relaxed and calm.

www.relaxkids.com

relax Kids

*Today I will
be calm like
a lake'*

Repeat this to yourself to
keep yourself chilled out
today.

www.relaxkids.com



building
communities

Interview your grandparents

This activity can be undertaken by telephone call / Facetime / Skype / Facebook Messenger (or any other virtual method of communication you use).

Ask your grandparents the following questions and make a note of their answers

1. When and where were you born?
2. Did you have a nickname at school?
3. Did you have any pets, if so what kind?
4. What were your favourite and least favourite subjects at school?
5. What kind of games did you play growing up?
6. What did you want to be when you grew up?
7. What was your first job?
8. How did you meet Granddad/Grandma?
9. What's been your favourite age so far?
10. What were your favourite sweets when you were a child?
11. Where has been your favourite place in the world to visit?
12. What was your school like?
13. What was it like when you were growing up?
14. Looking back at your life what is your proudest achievement?
15. What would you like your grandchildren to remember about you?

After your call, do you feel you know your grandparents more now?

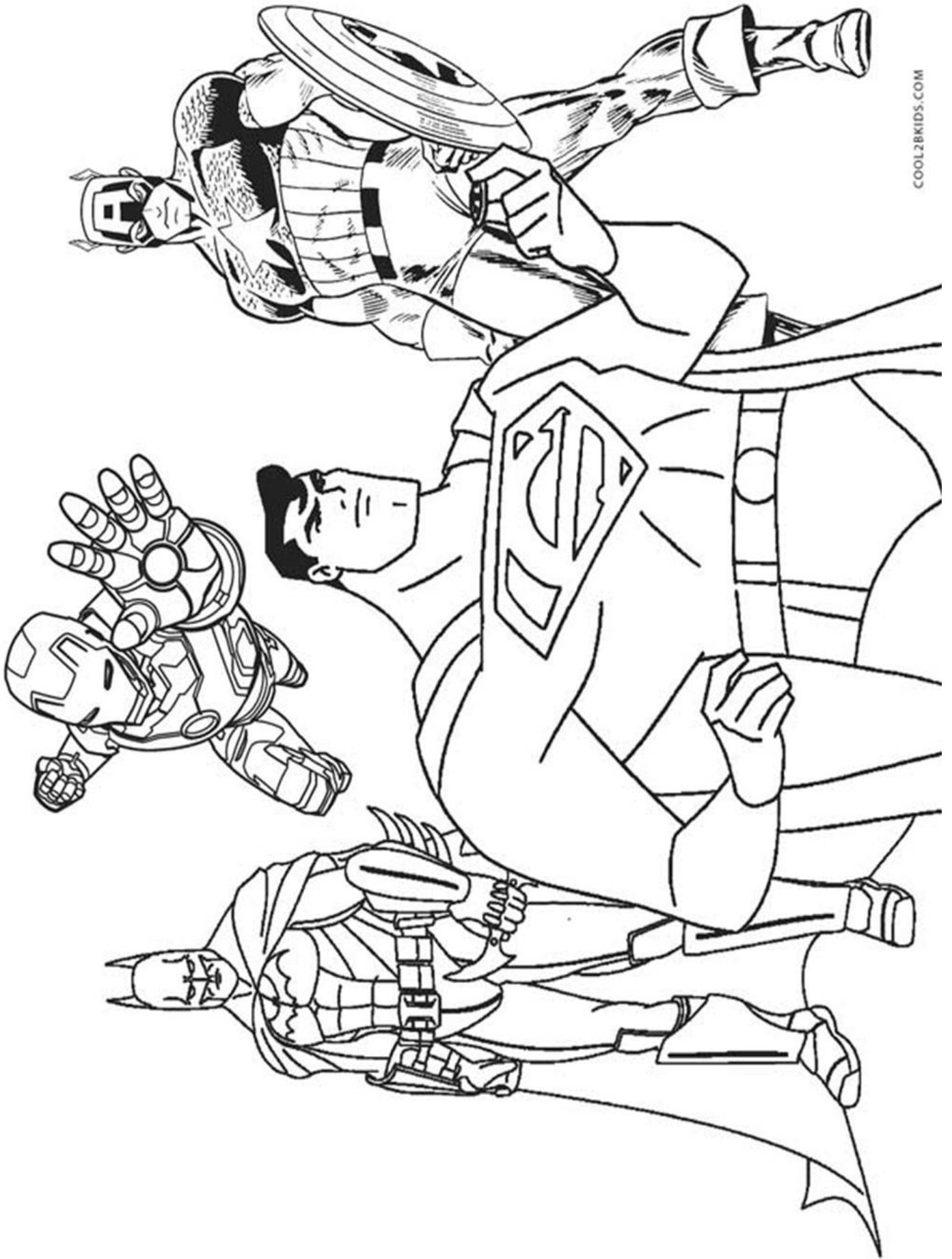








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Battle of the Robots!



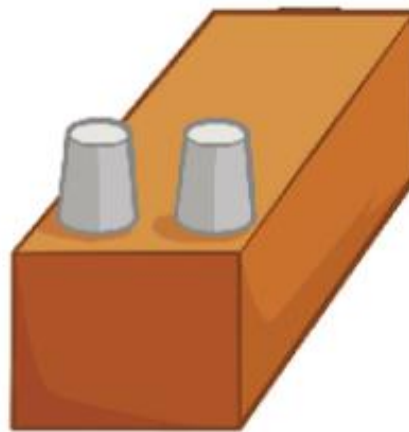
Build a fantastic pellet-shooting junk robot whilst practising measuring, working with averages, decimals and data!

You will need:

- Clean junk, e.g. old cardboard boxes and tubes, plastic bottles, pots and cups
- Parts for the robot's pellet launcher, e.g. a flexible ruler, lollipop sticks, elastic bands
- Pellets, e.g. small rolled up balls of paper
- Items for decorating the robot, e.g. pens, paints, foil, stickers
- Sticky tape or glue
- A tape measure
- Battle of the Robots Data Collection Sheet, one per person (page 3)

What to do

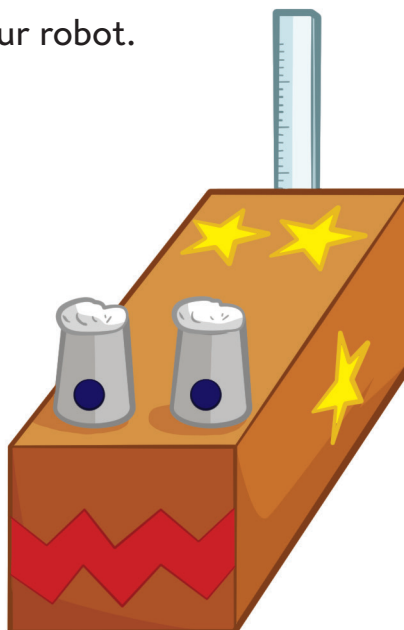
1. Build your robot. Use something sturdy, such as a strong cardboard box as the base. Fix your junk together firmly with either sticky tape or glue.



2. Design your robot's pellet launcher (there are some ideas on page 4 to help you).
3. Experiment with different designs until you find the right launcher and pellets. Be careful where you direct your pellets and make sure they're not too heavy. Small balls of paper are good.

Battle of the Robots! (continued)

4. Decorate your robot.



5. Now put your robot to the test. Find a long space, like a corridor or long room.
6. Mark a starting line with chalk or an object. With your robot on the starting line, fire a pellet. Mark where it lands.
7. Use your tape measure to measure how far the pellet has travelled.
8. Record the distance on your data collection sheet. Write it in metres, centimetres and millimetres in one box and in centimetres and millimetres in the other box.
9. Repeat twice and record the distances.
10. Work out and record your best, median and mean flights. Do you have a mode flight distance? What is the range of the distances?

Top tip

Why not print off another data collection sheet and see if you can improve your best, median and mode flight distances?

Battle of the Robots! (continued)

Data Collection Sheet

Length	1st launch	2nd launch	3rd launch
<i>In metres, centimetres and millimetres</i>			
<i>In centimetres and millimetres</i>			

Data Analysis

Personal best:

Median result:

Mode result:

Mean result:

Range of results:

The **median**, **mode** and **mean** are all types of **average**:

Median: the number in the middle if you place the numbers in order of size

Mode: The most common result

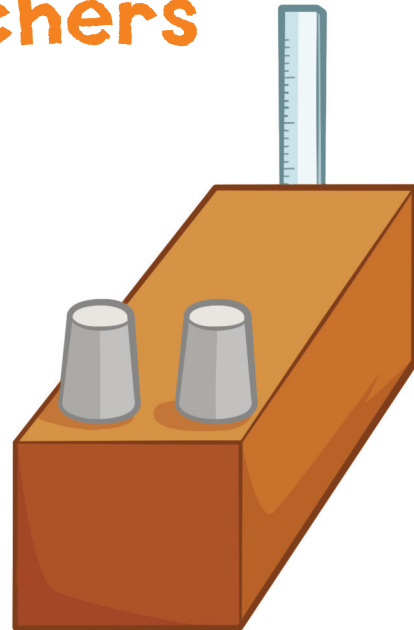
Mean: The total of all the numbers, divided by the amount of numbers

Range: the difference between the highest and lowest numbers

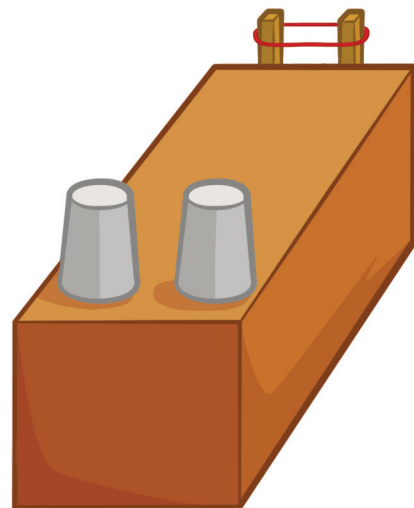
Battle of the Robots! (continued)

Possible Pellet Launchers

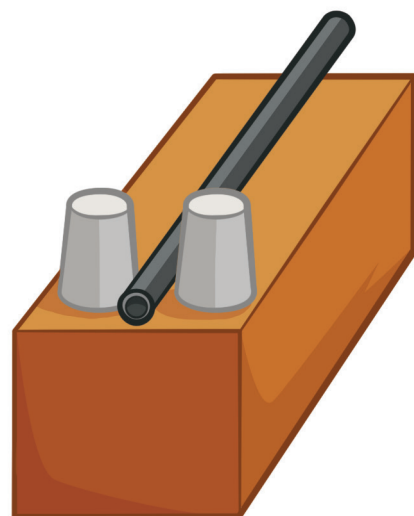
1. *The Terrible Twanger:* Attach a flexible ruler to your robot so that it sticks up from the front or back. Hold your pellet on the end of the ruler. Pull back the ruler and then let both the ruler and pellet go. As the ruler twangs back, the pellet should fly through the air.



2. *The Catastrophic Catapult:* Create a catapult using a couple of sticks and an elastic band. Attach it to your robot so that it sticks up from the front or back. Hold your pellet in the centre of the elastic band. Pull back the band and pellet together until the band is very stretched and then let them both go. As the elastic band shoots back, the pellet should be catapulted into the air.



3. *The Ballistic Blow-Pipe:* Take a long thin tube, like the barrel of a plastic pen or the inner cardboard tube from a roll of tin foil. Attach it flat onto the top of your robot, pointing forwards. Place your pellet just inside one end of the tube. Place your mouth against the other end of the tube and blow as hard as you can. The pellet should be thrust into the air.



Window pictures

Spread some joy and draw a picture, put it in your front window for people to see when they walk past your house and ask your friends to do this too!



Week 1 – draw a rainbow

Week 2 – draw a picture of your family

Week 3 – draw an Easter bunny or Easter egg

Week 4 – draw your favorite animal

Week 5 – draw a flower

Week 6 – a smiley face

25 Other Indoor and Outdoor activities (guidance for parents)

1. Set up easels and paint pictures outdoors.
2. Bake a loaf of homemade bread.
3. Wash the family car together.
4. Go on a family bike ride.
5. Learn how to play musical instruments together.
6. Create a nature journal.
7. Have a water balloon fight in the backyard.
8. Look at the moon with a telescope or binoculars.
9. Teach them a card trick to amaze their friends.
10. Draw a map of your neighborhood using graph paper.
11. Give each other facials.
12. Put together a time capsule and bury it in the backyard.
13. Make a birdhouse out of wood.
14. Teach your child how to make dinner from a recipe.
15. Paint each other's portraits.
16. Set up an outdoor obstacle course.
17. Learn how to fold different types of paper airplanes.
18. Have a room-cleaning competition!
19. Put on a family talent show.
20. Play Hangman.
21. Learn to juggle together.
22. Host a dance-off in your living room.
23. Work on a puzzle together.
24. Teach them how to do laundry.
25. Play charades.

Keep active and keep talking!

Even though your children can't attend their usual weekly clubs or play with their friends at the moment there are still many fun activities we can do together to keep fit and healthy. It is also important to keep talking to the children and reassuring them at this tricky time.

- Joe Wicks (The Body Coach) is running a daily online PE class for all children and parents. It is hugely popular with over 6 million households from around the world taking part in the first two days. You can even post messages and pictures on his social media pages to get a shout out live on air! **Tune in at 9am every week day on You Tube by searching for The Body Coach TV.**
- Cosmic Kids Yoga is a You Tube channel offering lots of different themed kids yoga routines and mindfulness techniques which will help with their anxieties. The storytelling they use alongside the exercises will keep your children engaged. **Search for "Cosmic kids yoga" on You Tube.**
- If you are not having to self-isolate, then ensure you go out for a daily local walk with your children which will burn off some energy and help with any anxieties your children might be experiencing.

Every week day there are many free resources available online for your children covering most subject areas:

9.00am - PE with Joe Wicks https://youtu.be/6v-a_dpwhro
10.00am - Maths with Carol Vorderman www.themathsfactor.com
11.00am - English with David Walliams <https://www.worldofdavidwalliams.com/elevenses/>
12.00pm - Lunch (cooking with Jamie Oliver) <https://m.youtube.com/watch...>
1.00pm - Music with Myleene Klass
<https://www.youtube.com/channel/UCQh2wgJ5tOrixYBn6jFXsXQ>
1.30pm - Dance with Darcey Bussell
<https://twitter.com/diversedance.../status/1241098264373592065>
2.00pm - History with Dan Snow (free for 30-days) <https://tv.historyhit.com/signup/package>
4.00pm - Home Economics with Theo Michaels (Mon/Wed/Fri)
<https://www.instagram.com/theocooks>

Non-daily events include:

Science with Professor Brian Cox, Robin Ince & Guests
<https://cosmicshambles.com/stayathome/upcoming-schedule>
9.30am Wednesday 25 March - Geography with Steve Backshall
<https://twitter.com/SteveBacksha.../status/1242058846941712385>

If your children are feeling particularly anxious and are asking lots of questions, then here are a few tips on how to reassure them ([youngminds.org.uk](https://www.youngminds.org.uk))

1. Try not to shield your child from the news, as it's likely they will find out somehow from school, being online or from friends.
2. Talk to your child about what is going on, you could start by asking them what they have heard.
3. Try to answer their questions and reassure them in an age appropriate manner. Remember, you do not need to know all the answers, but talking can help them feel calm.
4. Reassure your child that it is unlikely they will get seriously ill, and if they do you feel ill you will look after them. Your child might be concerned about who will look after you if you catch the virus. Let them know the kind of support you have as an adult so that they don't feel they need to worry about you.
5. Give some practical tips to your child about how they can look after themselves. For example, show them how to wash their hands properly, and remind them when they should be doing it.
6. Keep as many regular routines as possible, so that your child feels safe and that things are stable.
7. Spend time doing a positive activity with your child (e.g. reading, playing, painting, cooking) to help reassure them and reduce their anxiety. This is also a great way of providing a space for them to talk through their concerns, without having a 'big chat'.
8. Encourage your child to think about the things they can do to make them feel safer and less worried.
9. Be aware that your child may want more close contact with you at this time and feel anxious about separation. Try to provide this support whenever possible.
10. Remember to look after yourself too. If you yourself are feeling worried, or anxious about coronavirus, talk to someone you trust who can listen and support you.

Please note that information and materials contained in this guide have been sourced from external websites which are free to use for the general public. Further details are available upon request.