ST. PATRICK'S GIRLS NATIONAL SCHOOL
GARDINER'S HILL, CORK

This week we want you to get active while still learning maths! Have a go at two or three of the maths activities each day!

| Week 6 05/05			
	Adding, Subtraction and Multiplication **Estimation of distance** 1) Double trouble 2)Guess the distance- More than/less than half 3) Double throw 4)Kick and count	**Skip Counting forwards and backwards** **Multiplication tables** **Estimation of distance** 5) Throw and count 6) Far away throw 7)Throw and count 8) How far away am I? 9) Bounce and count	**Maths Trail** Try out the Maths trail at the bottom.
	Problem solving – Exercise for your brain! Try two or three problem during the week	**Multiplication Egg carton game** -Check out the game at the end.	

from the school website: Problems Yr 3 and Yr 4		

Ball Skills + Maths

## 1)   Double trouble

Ball Skills

Have your child throw a bean bag into a target e.g. hoop/box? Initially practise throwing with two hands. How many did you get in the hoop? Now practise throwing with one hand.

1 metre
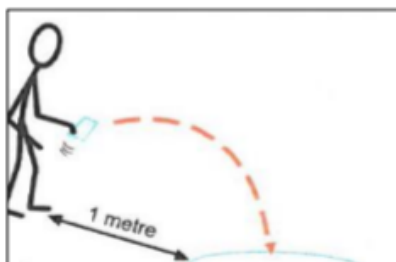
If you don't have a bean bag, use a ball or a teddy etc. The first time you hit the target it is worth 10 points. Every time you hit the target you can double the number of points you have…so next time you will have 40…after that you will have 80. Take turns with a partner. After 5 goes who has the most points?

Next time try a different number of points e.g. First time you hit the target you have 6

Next time try picking a target number to reach e.g. 60…the first person to reach 60 wins

Try throwing the ball with one hand or moving further away from the target.

2)   Guess the distance- More than/less than half

🏃 Set up goal posts 2 metres away. Using one hand, can you roll the ball between the goal posts to score a goal?
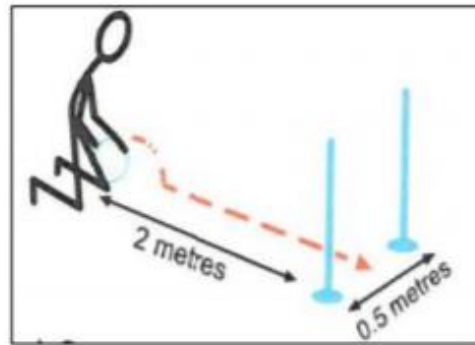

Set up the posts 2 metres away from where you stand. Use books etc. for the posts. With your helper pick out where the half-way mark would be.

Roll the ball-if you get more than half-way there you get 10 points. If you get less than half-way there you get 5 points. Take 5 goes each. Whoever has the most points wins!

Next time try to split the distance into four equal parts, each part is quarter. Try to roll the ball more than $\frac{3}{4}$ (Three- quarters). If you get there you earn 10 points, if it's less you earn 5 points.

Change the number of points awarded to practice adding different numbers.

3)   Double throw

Set up a target e.g. hoop/box to your left and right. Encourage your child to throw the beanbags into each hoop?
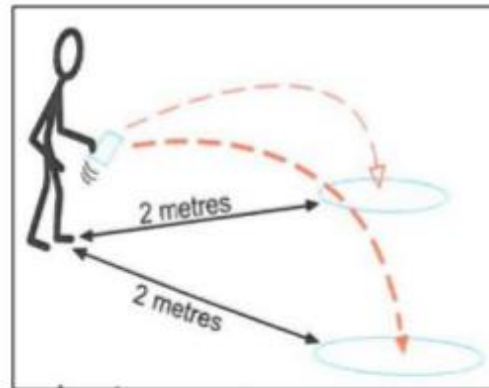
Each box is worth a number of points. The box on the right is worth double the box on the left. For example, if the box on the left is worth 8, the box on the right is worth 16.
When it is your turn, throw a ball into the box on the left and the box on the right. Add up your score. The box on the left increases by one each time…next time it is worth 9 so the box on the right is worth 18.
Start with the box on the left being worth 5 points
Use a piece of paper to keep track of your score. The winner has the highest points after 5 turns (one turn involves throwing to the left and the right).

4) Kick and count

Ball Skills

Can your child kick a ball between two goal posts? Remember to look at the target and not at your foot. Increase the distance from the goal to create a challenge!
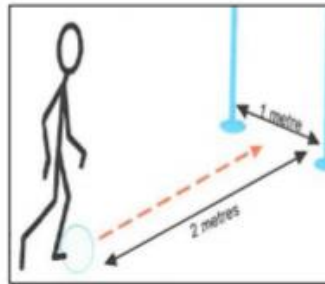
1 metre

2 metres

Use books as goal posts. Measure out the distance e.g.2 metres. Pick out the half-way point e.g. 1 metre. Try to score a goal and get 10 points… or a least pass the half-way mark and get half points.

Try with different points and different distances e.g. 4 metres

5) Throw and count
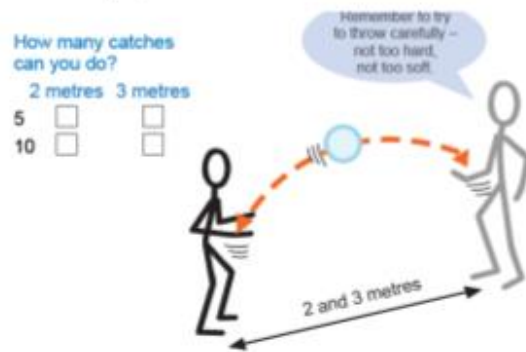
Throw and catch a bean bag with your child. Practice catching with two hands. Remember to keep your eyes on the target. Stand one metre apart. How many can your child catch?

2 metres
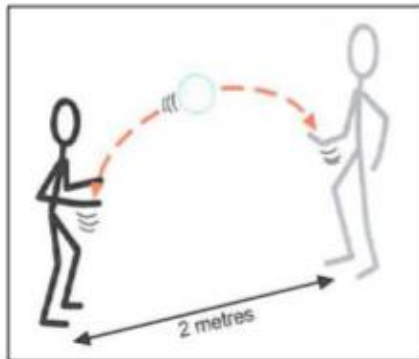
Practise your multiplication skip counting while you throw. Start off skip counting in 3s from until you get to 36.Try it backwards from 36 down to 3.

Try different starting points e.g. from 4 (4,8,12…).

6) Far away throw

Throw and catch the ball between two people. Start at two metres, and then try three metres. Try not to use your body to help you catch the ball.

How many catches can you do?

	2 metres	3 metres
5	☐	☐
10	☐	☐

Remember to try to throw carefully – not too hard, not too soft.

2 and 3 metres

Again practise your skip counting. Also measure out carefully the distance in metres… pick out the half-way distance each time. Try saying your multiplication tables each time you throw…first person 'One three's are three.'…next person 'Two threes are six'… until you get to Twelve threes!
Try for other multiplication tables.

7) Throw and count

Ball Skills

Stand close to your child. Throw and catch between you. Take a small step backwards each time you catch the ball. Try not to use your body to help you catch the ball.

Can you go back
3 steps? ☐
5 steps? ☐
10 steps? ☐

Try skip counting in 4s up to 48. Take turns to say each number.

Next time you can say either one number or two numbers… the winner gets to say 48.

Try doing this saying the tables… First person :'One fours are four', next person: 'Two fours are eight'. You can say one or two tables…the winner is the first person to say 'Twelve fours are 48'.

Try it with other tables.

8) How far away am I?

🌐 With your child, bounce the ball between you. Start at one metre; then try two and three metres.

Throw with two hands. Only let the ball bounce once.

How many times can you do this?
☐ 5
☐ 10
☐ 15
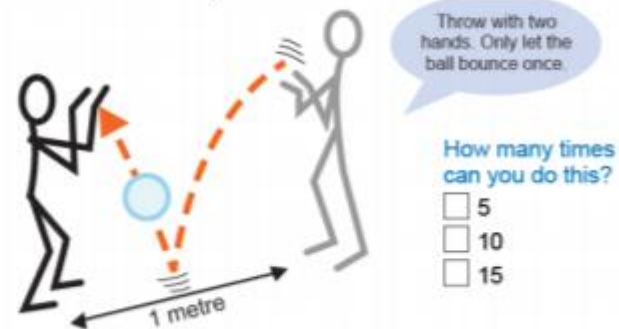
1 metre

Pick different distances each time. Shout 3 metres and your child has to go three metres away from you before they can catch the ball.

Add in some skip counting!

Try skip counting in 3s (3,6,9,12,15,18,21,24,27,30).

Next change it to saying multiplication tables.

9) Bounce and count

Have your child practice bouncing and catching a large bouncy ball with both hands.

How many bounces and catches can you do?

- [ ] 3
- [ ] 5
- [ ] 10
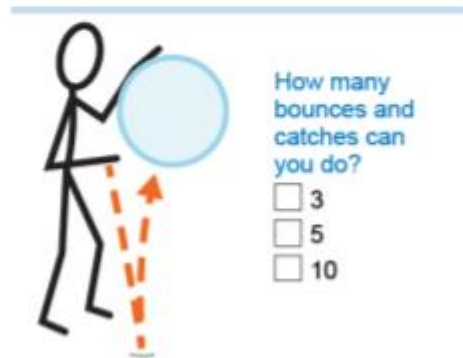
Practice skip counting backwards e.g. Counting backwards in 6s from 72

Chant the multiplication tables while doing it ' One sixes are six... two sixes are 12...'

5th and 6th Class trail questions:

Number:

QUESTIONS	ANSWERS
➢ Describe how you would make a "smoothie".	
➢ Make a list of 3 things that would be "impossible".	
➢ Who has the longest first name in your family?	
➢ Who has the shortest first name?	
➢ If the answer is 25, what might the question be?	
➢ If the answer is 150, what might the question be?	

➢ Without checking, see how many items in your bedroom you can name?	
➢ Estimate how many steps you would take walking across your bedroom. Now check your answer.	
➢ Estimate how long it would take to walk from your sitting room to your bedroom. Now test to see how close you were. ➢	
➢ Go to your kitchen or sitting room. How many seats are in this room? If the room were full of people and each person paid 50c to enter how much money would be paid in total? ➢	
➢ Find the two numbers written on something in your home e.g. on a box or bottle– multiply the numbers to get the product.	

QUESTIONS	ANSWERS
➤ What temperature is it here today. In winter the mean temperature is –2. What is the difference between the two?	
➤ What would the temperature be if it was 5° cooler?	

Shape and Space:

QUESTIONS	ANSWERS
➤ Go to your kitchen. Face the sink. Make one complete turn. Where are you facing? Now make one half turn. Where are you facing?	
➤ Find lines that are parallel/vertical/horizontal	
➤ Face the cooker. Turn one right angle to the right. What are you facing now?	
➤ Find an example of a right angle in the area. Find an	

angle that is less/more than a right angle.	

Measures:

QUESTIONS	ANSWERS
➢ Estimate how many centimetres long is the television? Measure it and compare.	
➢ Pick one of your schoolbooks. How many would it take to cover the couch?	
➢ How heavy is the TV remote control in grammes?	
➢ Find a pot in the kitchen. Estimate how many glasses of water will fit in it. Check your answer.	

➤ Draw an analogue clock face showing the time on the cooker or microwave or TV box.	
➤ How many windows are there in your home? If it takes you two hours to clean four of them – how long would it take to clean all of the windows? Show how you calculated your answer.	
➤ Estimate the perimeter and area of one of the rooms in your house (in metres).	

MULTIPLICATION GAME

https://youtu.be/ZpdYuv7dDDg

Use two egg cartons to get all the numbers from 1 to 12.
Pick a table to practise e.g. 3s → Cut out circles and write all the multiples on them 3,6,9,12,15,18,21,24,27,36.
Mix up the cirlces and then ready,set, go…see how fast you can put the circles in the correct order!

Next day write out all the multiples of 4 (Up to 48).