



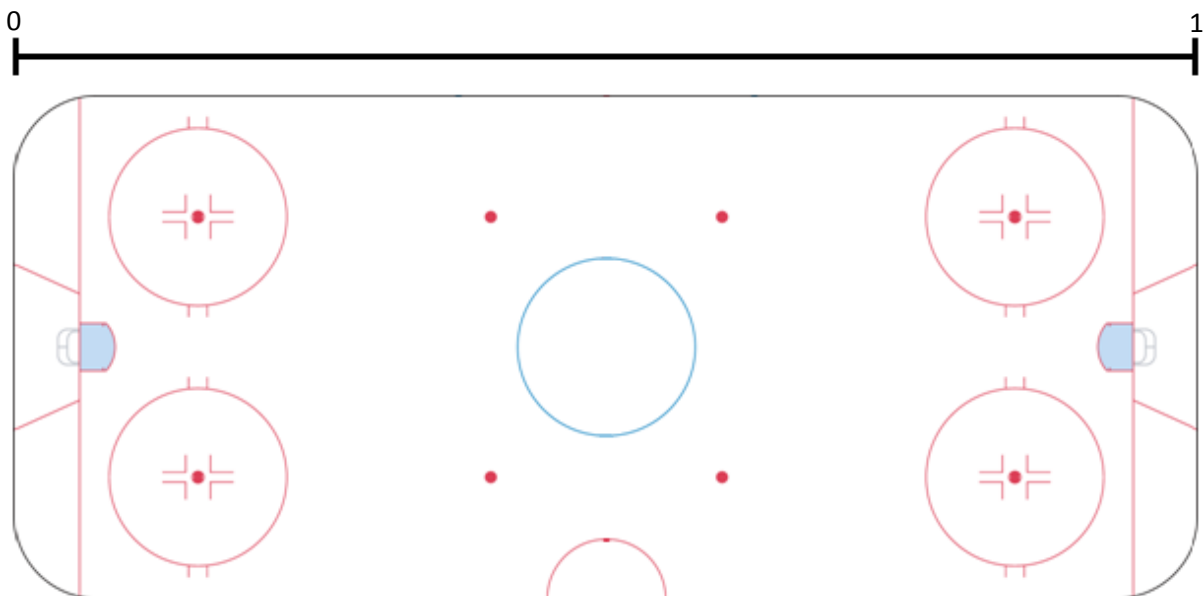
Name: \_\_\_\_\_

## MATHS AT O'BRIEN GROUP ARENA

Grades 3 to 6

1. On the picture below, use the number line to help you draw on the rink:
  - a. A **RED** line at the  $\frac{1}{2}$  way point
  - b. Two **BLUE** lines, the first at the  $\frac{1}{3}$  point and the second at the  $\frac{2}{3}$  point
  - c. Mark in the fractions  $\frac{1}{3}$ ,  $\frac{1}{2}$ , and  $\frac{2}{3}$  on the number line.
  - d. Place a *circle* around the denominator, and a *square* around the nominator.

**ADVANCED:** Underneath the fractions you have places on the number line, use a calculator to help you write its equivalent as a decimal (to two decimal places where necessary).



2. If the length between the two BLUE lines is 15m, and the width of the rink is 30m, what is the area of space between the two BLUE lines?

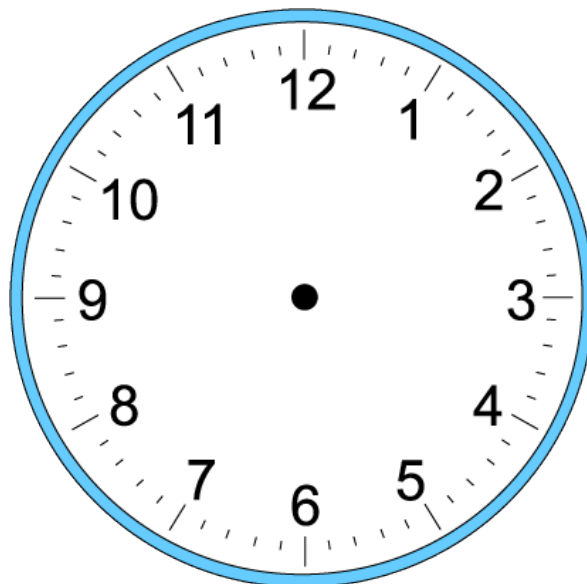
**HINT: Area = Length x Width**



# O'BRIEN GROUP ARENA

To make sure the ice that customers skate on is kept nice and smooth, we need to regularly re-surface the ice with water so it can freeze again making it smooth again! This is done with a machine called an "Ice Cat."

3. Brian, Ice Cat driver at the O'Brien Group Arena, has an ice re-surface scheduled at 2:30pm. Draw this time on the analogue clock below.



4. Brian has to re-surface the ice every two and a half hours starting at 9:30am and finishing at 7:30pm. In 24hr time, write down all the times Brian has to re-surface the ice.

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# O'BRIEN GROUP ARENA

Help the player get to his teammate and get a shot on goal.

Draw the path starting at 4 and counting by 4s up to 400.

			12	16	20	328	332	336	
			8	28	24	324	320	340	344
			4	32	292	296	316	352	348
76	72	52	48	36	288	300	312	356	360
80	68	56	44	40	284	304	308	368	364
84	64	60	112	116	280	260	256	372	376
88	100	104	108	120	276	264	252	384	380
92	96	148	144	124	272	268	248	388	392
168	164	152	140	128	236	240	244	400	396
172	160	156	136	132	232	228			
176	180	192	196	208	212	224			
	184	188	200	204	216	220			



# O'BRIEN GROUP ARENA

Nina is a great skater but her puck shooting needs some practice!  
Out of 45 shots on goal, she only gets in 12.

1. Draw the probability of Nina shooting a goal as a fraction

**ADVANCED:** Use a calculator to determine what her percentage of shots landed in the goal is. Round your answer to two decimal places.

**HINT: *Percentage = (x/y)\*100***

Colour in Nina!





# O'BRIEN GROUP ARENA

Draw 4 things you might find at the O'Brien Group Arena which are symmetrical.

Draw a line of symmetry in each of your drawings.






# O'BRIEN GROUP ARENA

## EXTRA ACTIVITY!

After your visit at the O'Brien Group Arena, use this table to tally your classmates' skate sizes!

*Make sure you check the back of your skates and remember which size you got so you can share with everyone else!*

Shoe Size	Tally Marks	Total
Example	IIII	4
2		
3		
4		
5		
6		
7		
8		
9		
10		

On the axis below, plot this data as a column graph.

Number of Students

0



Shoe Size