

MATHEMATICS COLLABORATIVE LEARNING SESSION

10 August 2017

Teachers:

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https://www.youtube.com/watch?v=3Wz-fGewi48



Stage 2 Session				
Time	Activity			
3:30 - 3:35	Welcome and Introduction 4CE Classroom – Room 3			
3:40 - 3:55	Session 1			
3:55 - 4:10	Session 2			
4:10 - 4:25	Session 3			
4:25 - 4:30	Conclusion and reflection 4CE Classroom – Room 3			

Parents and their children will be grouped and rotate between the three teaching and learning activities.

Activity 1 4CE Classroom Addition and Subtraction

Activity 2 Computer Room

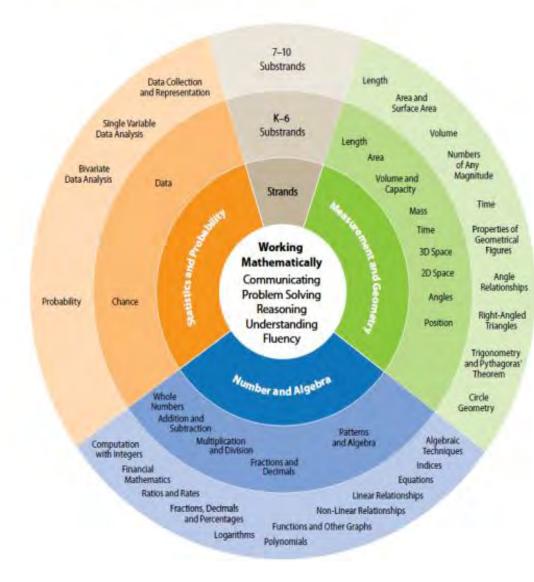
Measurement

Activity 3 4CM Classroom Multiplication



Mathematics K-6 Syllabus

How content is organised in Mathematics





MATHEMATICS K-10 Syllabus



Reflection

	Number and	Measurement and	Statistics and
	Algebra	Geometry	probability
	Whole numbers	Length	Chance
	Addition and	Area	Data
	Subtraction	Volume & Capacity	
	Multiplication and	Mass	
	Division	Time	
	Fractions and	2D space	
	Decimals	3D Space	
	Patterns and Algebra	Angles	
		Position	
Communicating			
Problem solving			
Reasoning			
Understanding			
Fluency			

Activity 1 4CE Classroom Addition and Subtraction





HOW CAN I HELP MY CHILD AT HOME?

Explore and discuss maths in a real world context:

- Sports scores/ statistics
- Weather maps/ temperatures/ forecasts (BOM website)
- Cooking and recipes
- Shopping and catalogues
- Travel timetables train, plane, bus etc
- Money bank statements, bills, budgets
- Newspapers statistics, number puzzles, percentages in context

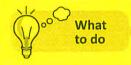
Rolling subtraction

apply



This is a game for two players. You will need two dice and each player needs a copy of this page to record their answers. You may like to make a few copies so you can play again.





The aim of the game is to get as close as possible to zero. Roll the dice and write this number in the first row under 99. Subtract and record the answer in the next row. Roll the dice again to create another 2 digit number and subtract again. If you can't make a 2-digit number to subtract, you miss a turn. Players take turns and may subtract only one number on the dice once they get closer to zero. The winner of a round is the player who gets the closest to zero. Play the best out of three.

	Exam Number on die 1	ole Number on die 2		Round	1			Round	12		Rour	nd 3
	9	9		9	9			9	9		9	9
-	3	4	-			-	-			-		
	6	5										
-	4	1	-			-	-			-		
	2	4										
-	1	3	-			-	-			-		
	1	1										
-		5	-			-	-			-		
		6										
-		6	-			-	-			-		
		0										
-			—			-	-			-		
_			-			-	_			-		

D 3 SERIES TOPIC

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Addition and Subtraction Copyright © 3P Learning

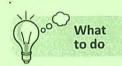
First to 50



This is a game for two players. You will need four dice and a copy of this page to record your totals.



apply



The aim of this game is to reach a total of 50. Each player takes a turn to roll a die four times and records the total in a row in one of the tables below. If your running score goes over 50, you strike out. You may choose to freeze after the first or second roll if you are getting close to 50. Take turns until the table is full. The player who finishes the round closest to 50, but not over 50, scores 5 points. The player who finishes the round exactly on 50, scores 10 points.

Player 1

ROUND 1		ROL	JND 2	ALL STREET	OUND 3
Rolled numbers	Rolled Running		Running total	Rollee numbe	

Player 2

ROUND 1					
Rolled numbers	Running total				

ROUND 2					
Rolled numbers	Running total				

ROU	ND 3
Rolled numbers	Running total



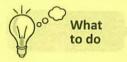
Lowest score

Getting ready

This is a game for two players. You will need a die and a copy of this page to record your answers. You may like to make a few copies so you can play again.



apply



The aim of this game is to get the lowest finishing score. Player 1 rolls the die and writes this number in the first column. Next, they decide whether to add 10 or multiply by 5 and subtract this number from 100. The result will be their running score and Player 1 will subtract from their running score on their next turn. Player 2 repeats these steps. Continue taking turns until the table is filled. The lowest finishing score wins.

I have to be careful when choosing whether to + 10 or × 5 because I don't want to get below zero but I want to get close to zero!

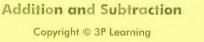


Player 1

Number on die	Number used	Running score
Fi	inishing score	

Player 2

Number on die	Number used	Running score
Fi	inishing score	





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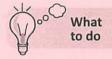
Subtract from 100



This is a game for two players. You will need two dice and 10 counters each, in two different colours.



apply



The aim of the game is to use all your counters first. Player 1 rolls the two dice and makes a 2 digit number from the numbers rolled. They subtract this 2 digit number from 100, find the answer on the grid and cover the number with a counter.

Player 2 repeats this process. The winner is the first player to get rid of all their counters.

						State of the second state of the
	85	38	39	79	86	59
-	68	55	57	69	37	54
	34	87	36	44	56	47
	58	49	64	66	77	46
	45	78	67	75	76	89
	74	88	84	65	48	35



Addition and Subtraction

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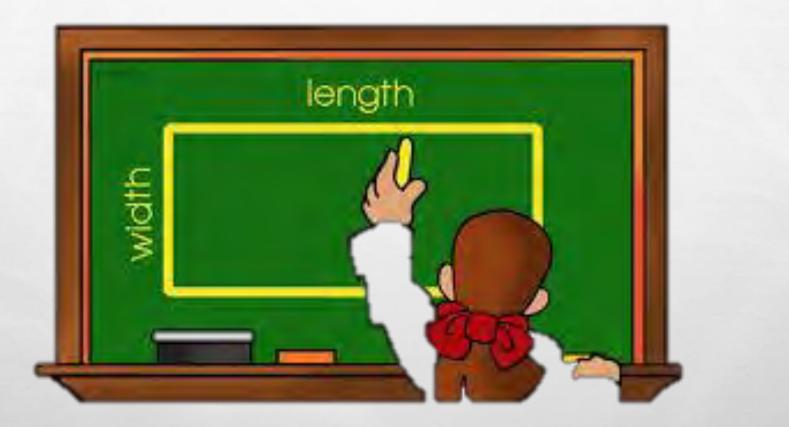
WORKING MATHEMATICALLY -MEASUREMENT THURSDAY 10TH AUGUST 2017

STAGE 2

https://www.youtube.com/watch?v=yL0omVWzFHc

AREA

- AFF



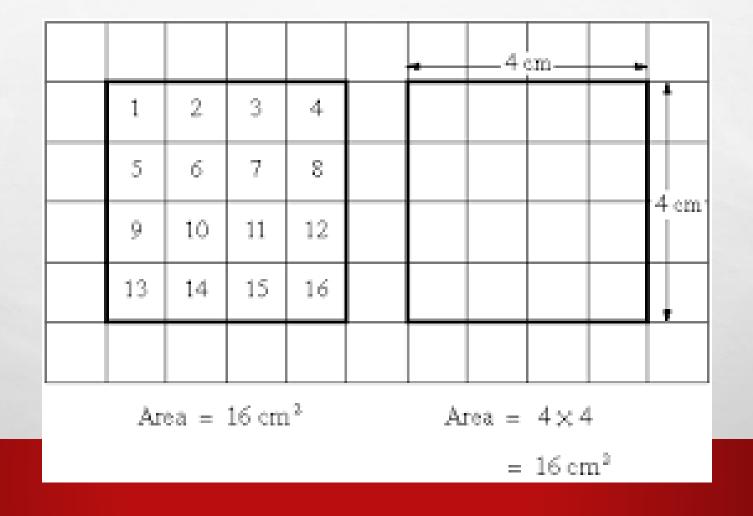
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AREA

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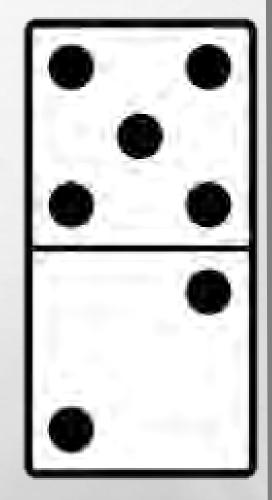
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AREA GAME:

- Dominos
- Pencil
- Pen

Equipment: 1. Pull a dice out of the bag. 2. Student A will draw a domino from the bag. The two numbers on the domino are the length and width of a rectangle in centimeters.

- 3. Everyone draw a diagram to represent the rectangle.
- 4. Check Student A's diagram.
- 5. If it is correct, 1 point is scored.
- 6. Winner is the player with the most points.



TIME

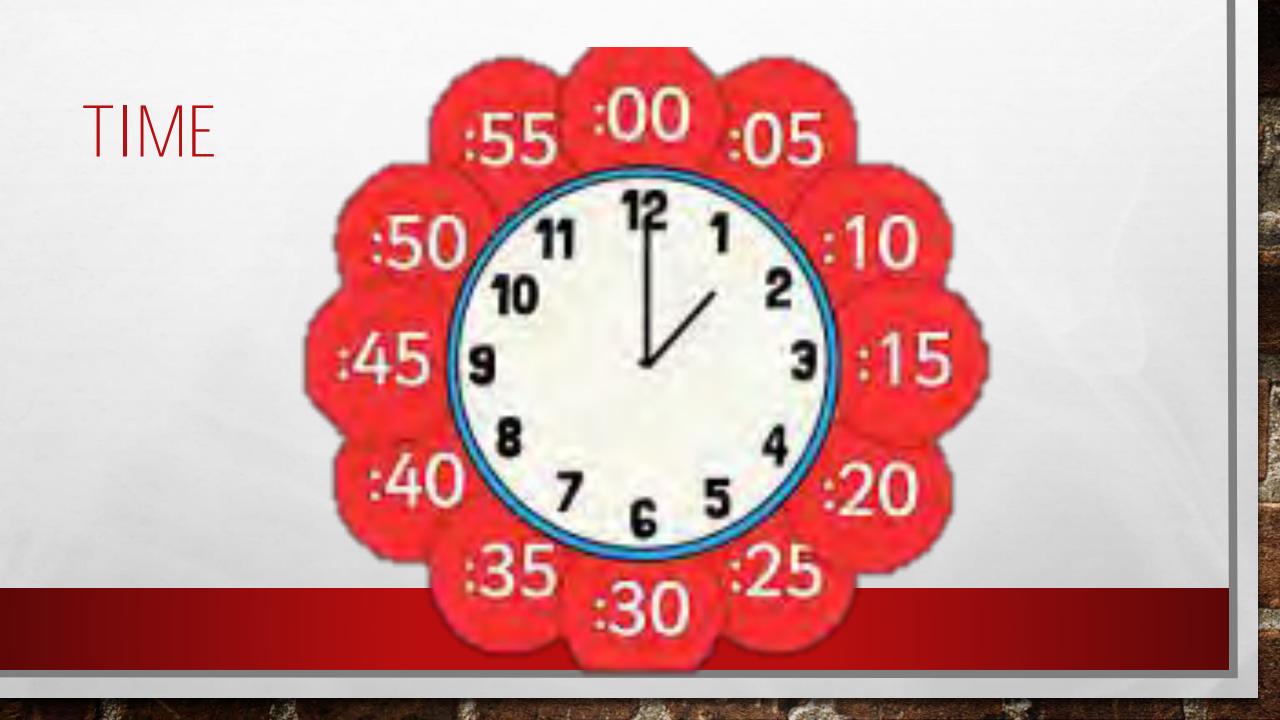
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S. S. L. R. L. R.



Seator Seator



TIME GAME - POW:

- 1. All Cards are placed inside the tub.
- Equipment: • Tub
- Pow cards
- Clock face cards
- 2. Take it in turns to pull out a card. If it is a clock face, read the time to your group. If it is right, you keep the card. If not, it is returned into the tub.
- 3. If a 'POW' card is drawn all cards except the POW cards are returned to the tub.
 - 4. Winner is the player with the most cards when time is called or there aren't any cards left.

https://www.youtube.com/watch?v=GN1EGLYLPF4

LEPS Stage 2 – Working Mathematically Parent Information Session 2017



Instructions:

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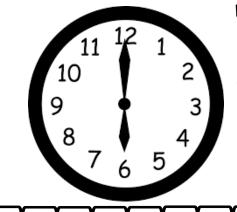
- I. Pull a domino out of the bag.
- 2. Student A will draw a domino from the bag. The two numbers on the domino are the length and width of a rectangle in centimeters.

Equipment:

- Dominos
- Paper Whiteboard
- PencilWhiteboard Marker
- 3. Everyone draw a diagram to represent the rectangle.
- 4. Check Student A's diagram.
- 5. If it is correct, I point is scored.
- 6. Winner is the player with the most points.

TIME POW

- I. All Cards are placed inside the tub.
- 2. Take it in turns to pull out a card. If it is a clock face, read the time to your group. If it is right, you keep the card. If



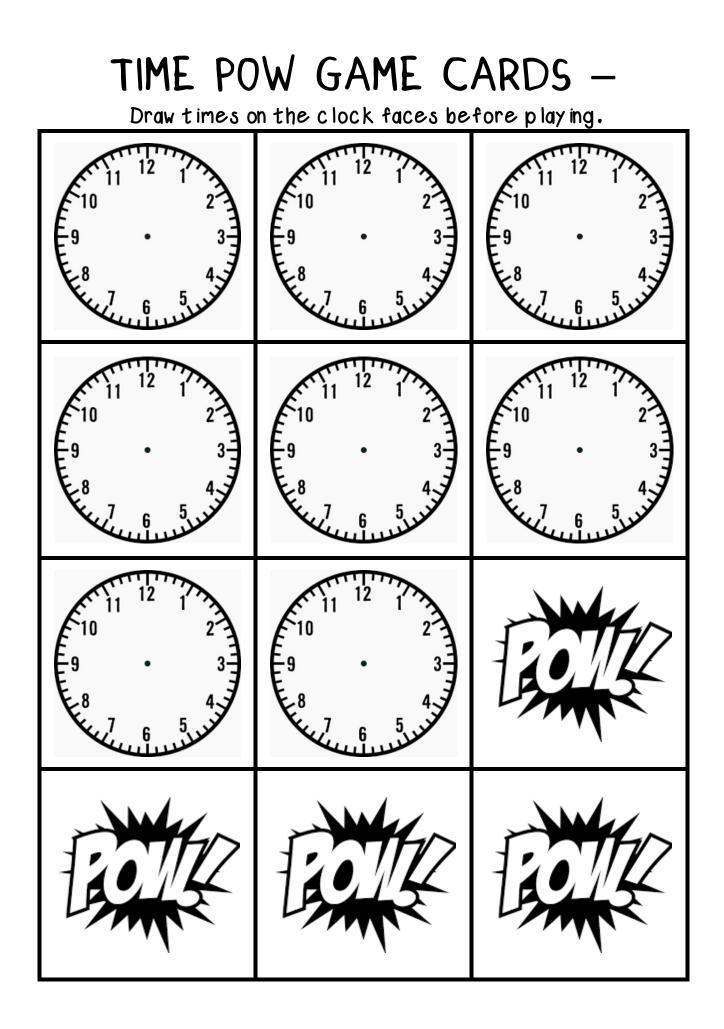
Equipment:

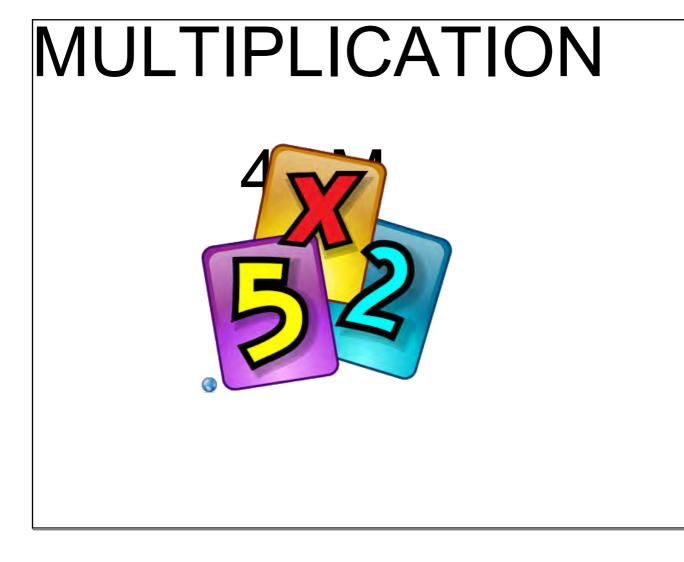
- Tub
- POW Cards
- Clock Face cards

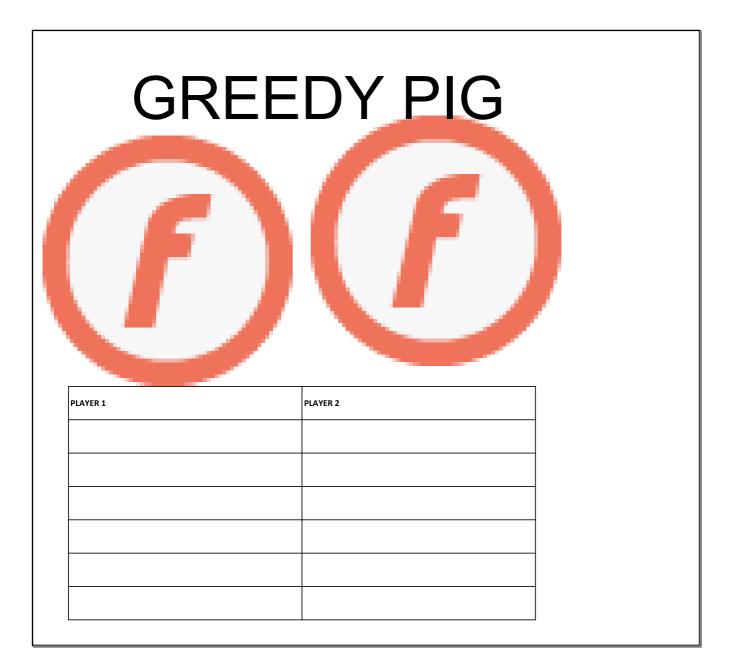
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https://www.youtube.com/watch?v=kvJWFuc-sAg

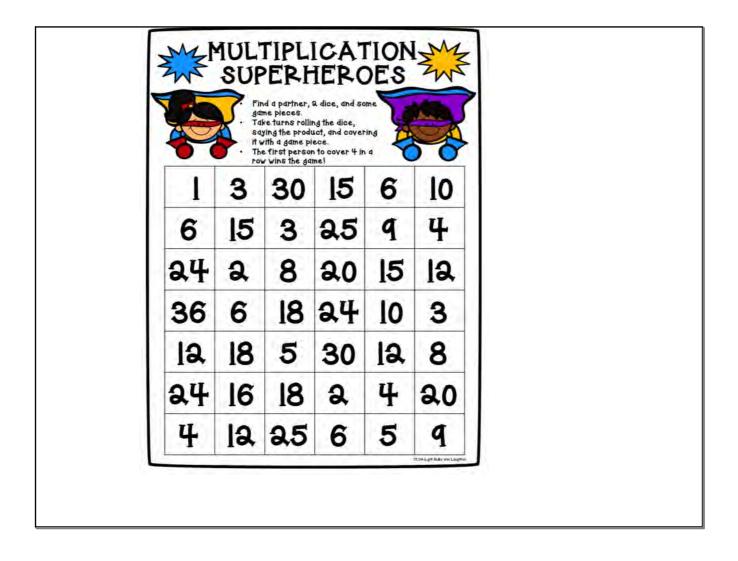
https://www.youtube.com/watch?v=cdQGcXKvUzQ

Aug 10-2:08 PM



https://www.youtube.com/watch?v=nYaRbVJG7W4

https://www.youtube.com/watch?v=G1S1DCWett8



https://www.youtube.com/watch?v=IhSqrMXv-M0

Thank you

