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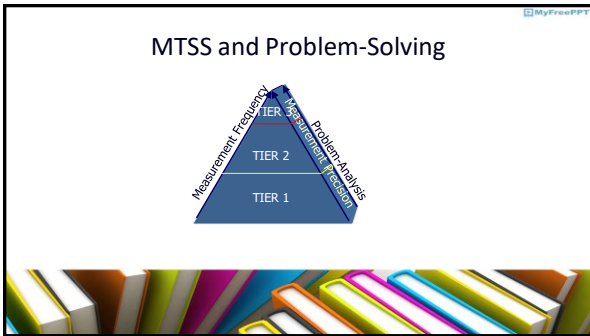
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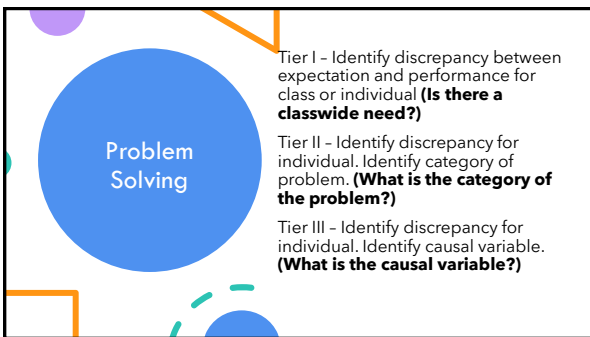
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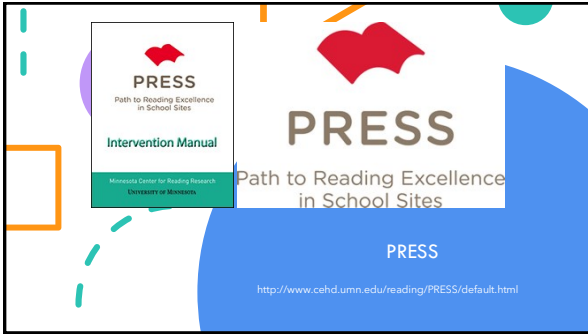
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### Four Purposes of Assessment

Program evaluation: How is the education system working for students overall?

- PSSA

Screening: Which of my students are not meeting grade level expectations given Universal Instruction?

- E.g., STAR, NWEA, aReading

Diagnostic: What are the specific needs of students who struggle?

E.g., measures of specific skills

Monitoring Progress: What does the student's growth look like?

E.g., CBM (Aimsweb, Acadience, DIBELS, FastBridge)

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Screener	MAP < 25 <sup>th</sup> %ile	MAP ≥ 25 <sup>th</sup> %ile	Total	
Aimsweb CBM-R				Sensitivity = a / (a + c)
CBM-R < Benchmark Goal	276	145	421	.86 for CBM-R
	a	b		.31 for F&P
CBM-R ≥ Benchmark Goal	46	501	547	Specificity = d / (b + d)
	c	d		.78 for CBM-R
Total	322	646	968	.66 for F&P
Fountas & Pinnell BAS				Correct Classification = (a + d) / n
BAS < Benchmark Goal	90	189	279	.80 for CBM-R
	a	b		.54 for F&P
BAS ≥ Benchmark Goal	200	367	567	
	c	d		
Total	290	556	846	

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Student	MAP RIT	MAP %ile	F&P	ORF	Accuracy
1	149	1	G	30	77%
2	158	3	G	37	88%
3	159	4	G	30	94%
4	170	27	G	32	87%
5	166	17	G	58	89%
6	188	73	G	80	98%
7	157	1	G	26	93%
8	149	1	G	27	84%
9	160	6	G	36	86%
10	154	1	G	30	77%
11	160	6	G	31	82%
12	166	17	G	44	90%
13	163	11	G	47	90%
14	161	8	G	61	95%
15	167	19	G	70	100%
16	155	1	G	17	77%

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Screeners

Fall data

Previous year data

Don't screen if you know the answer

9/3/2020X Presentation Title 8

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PLC Meetings:	Agenda
PLC: 1 <sup>st</sup> weekly meeting of the month (Content Focus)	<ul style="list-style-type: none"> <li>Grade level teams and coaches with additional personnel as appropriate</li> <li>School-site established PLC focus on various topics (e.g., math, STEM, behavior, environment, or other school topical initiatives)</li> </ul>
PLC: 2 <sup>nd</sup> weekly meeting of the month MTSS (Core Instruction Literacy Focus)	<ul style="list-style-type: none"> <li>Grade level teams and coaches with additional personnel as appropriate</li> <li>Examine various formal and informal data to drive core instruction</li> <li>Agenda will include embedded professional development on topics that address opportunities and challenges for core instruction</li> </ul>
PLC: 3 <sup>rd</sup> weekly meeting of the month (Content Focus)	<ul style="list-style-type: none"> <li>Grade level teams and coaches with additional personnel as appropriate</li> <li>School-site established PLC focus with schools studying varied topics</li> </ul>
PLC: 4 <sup>th</sup> weekly meeting of the month MTSS (Data Analysis)	<ul style="list-style-type: none"> <li>Grade level teams and coaches with additional personnel as appropriate (data management team)</li> <li>Analyze screening/benchmark data</li> <li>Analyze progress monitoring data</li> <li>Discuss, monitor and adjust tiered interventions.</li> </ul>

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Score Benchmark				75
Student	Grade	ORF WRC	Errors	
A	2	64	5	
B	2	72	5	
C	2	77	0	
D	2	68	4	
E	2	21	1	
F	2	18	2	
G	2	60	0	
H	2	70	2	
I	2	84	0	
J	2	77	0	
K	2	26	4	
L	2	89	1	
M	2	54	0	
N	2	46	8	
O	2	70	3	
P	2	78	0	
Q	2	32	6	
R	2	35	2	
S	2	51	1	
T	2	71	1	
<b>Class Median</b>		<b>62</b>		

Does This Look Familiar?

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10

What is the Class Median?

Median: the middle value in a list of numbers when the values are arranged from lowest to highest.

Finding the class median:

- Order student scores from the lowest to highest value.
- The score in the middle of the list is the median.
- If there is an even number of scores, take the average of the middle two scores.

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**MODEL**

What is the Class Median?

Score Benchmark				92	Score Benchmark				101
Student	Grade	ORF WRC	Errors	Student	Grade	ORF WRC	Errors		
A	3	21	8	B	3	18	6		
C	3	18	5	D	3	21	8		
E	3	87	1	F	3	65	5		
G	3	110	0	H	3	49	6		
I	3	141	8	J	3	95	5		
K	3	92	1	L	3	78	3		
M	3	89	3	N	3	86	6		
O	3	98	1	P	3	87	1		
Q	3	119	2	R	3	89	3		
S	3	181	2	T	3	99	2		
U	3	95	8	V	3	92	1		
W	3	122	2	X	3	96	2		
Y	3	97	1	Z	3	95	2		
AA	3	49	6	AB	3	87	1		
AC	3	106	0	AD	3	98	1		
AE	3	86	8	AE	3	105	0		
AF	3	89	2	AF	3	110	0		
AG	3	94	3	AG	3	119	3		
AH	3	112	3	AH	3	119	2		
AI	3	141	1	AI	3	120	2		
AJ	3	94	2	AJ	3	141	1		
<b>Class Median</b>					<b>Class Median</b>				<b>92</b>

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12

**MODEL** What is the Class Median?

Spring 2021 (n=25)				Spring 2022 (n=25)			
Student	Grade	ORF	Errors	Student	Grade	ORF	Errors
A	2	95	3	A	2	21	1
B	2	77	4	B	2	25	4
C	2	77	4	C	2	25	4
D	2	71	3	D	2	25	4
E	2	60	0	E	2	21	1
F	2	60	0	F	2	21	1
G	2	69	0	G	2	21	1
H	2	69	0	H	2	21	1
I	2	75	4	I	2	21	1
J	2	64	0	J	2	21	1
K	2	64	0	K	2	21	1
L	2	64	0	L	2	21	1
M	2	64	0	M	2	21	1
N	2	64	0	N	2	21	1
O	2	70	0	O	2	21	1
P	2	70	0	P	2	21	1
Q	2	70	0	Q	2	21	1
R	2	70	0	R	2	21	1
S	2	82	6	S	2	21	1
T	2	82	6	T	2	21	1
U	2	81	1	U	2	21	1
Class Median				Class Median		74	

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Fall	70
Winter	91
Spring	109

Student	WRC	Student	WRC
Student 1	48	Student 19	13
Student 2	122	Student 12	38
Student 3	126	Student 1	48
Student 4	82	Student 23	49
Student 5	102	Student 7	51
Student 6	77	Student 20	75
Student 7	51	Student 6	77
Student 8	84	Student 9	80
Student 9	80	Student 4	82
Student 10	102	Student 11	83
Student 11	83	Student 8	84
Student 12	38	Student 22	87
Student 13	104	Student 10	102
Student 14	152	Student 5	102
Student 15	143	Student 13	104
Student 16	115	Student 18	114
Student 17	142	Student 16	115
Student 18	114	Student 2	122
Student 19	13	Student 3	126
Student 20	75	Student 21	141
Student 21	141	Student 17	142
Student 22	87	Student 15	143
Student 23	49	Student 14	152
Median			

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14

Reading Instruction in Elementary School

- Two hours each day
- Explicit instruction
- Word study
- Free-choice reading
- Writing

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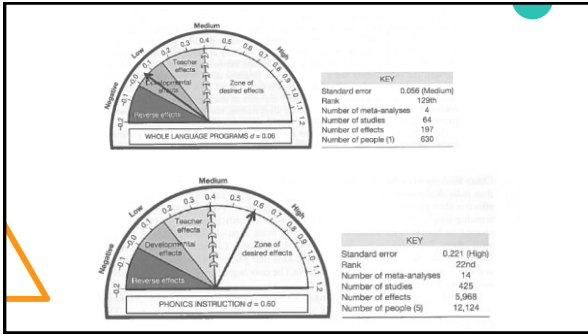
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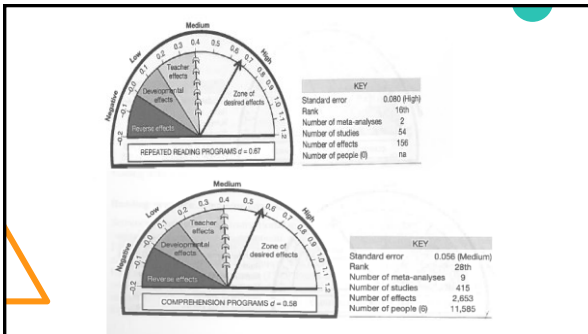
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Teacher Roles			
• Activator		• Facilitator	
Drill & practice	$d = 0.99$	Simulation/game	$d = 0.32$
Feedback	$d = 0.72$	Inquiry-based	$d = 0.31$
Meta-cognition	$d = 0.67$	Class size	$d = 0.21$
Direct Instruction	$d = 0.59$	Problem-based	$d = 0.15$
Mastery Learning	$d = 0.57$	Inductive teach	$d = 0.06$
Formative Assessment	$d = 0.46$		
<b>Total</b>	<b><math>d = 0.60</math></b>	<b>Total</b>	<b><math>d = 0.17</math></b>

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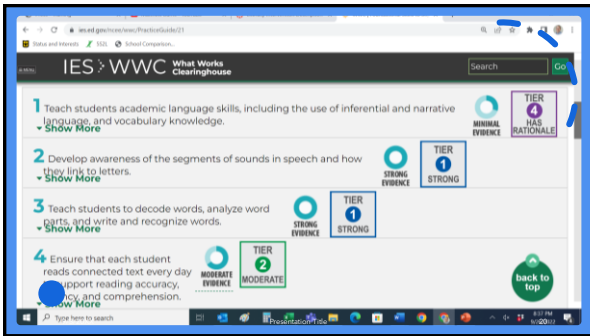
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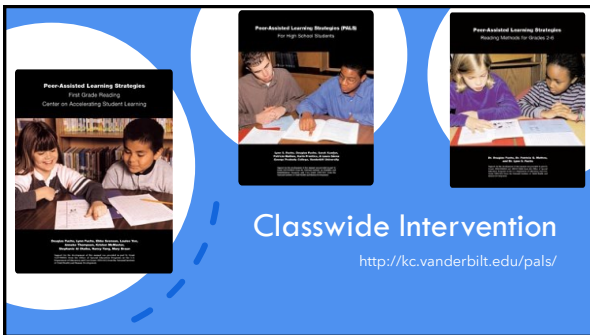
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Spring Benchmark				90
Student	Grade	WRC	ORF	Errors
A	2	31	6	6
B	2	47	4	5
C	2	47	4	4
D	2	48	4	4
E	2	51	2	2
F	2	54	3	3
G	2	55	4	4
H	2	58	7	7
I	2	61	7	7
J	2	61	1	1
K	2	65	0	0
L	2	71	1	1
M	2	78	2	2
N	2	82	6	6
O	2	84	0	0
P	2	86	0	0
Q	2	95	0	0
R	2	98	2	2
S	2	108	1	1
T	2	121	2	2
U	2	141	3	3
Class Median				

Partner Reading Partnerships

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22

## Procedure

Partner Reading	Paragraph Shrinking
1. Stronger reader reads aloud for 5 minutes	1. For 5 minutes the stronger reader continues reading new text in the story, stopping after each paragraph to summarize
2. The weaker reader reads aloud the SAME text for 5 minutes	2. For 5 minutes the weaker reader continues with the new text, stopping after each paragraph to summarize

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23

## Paragraph Shrinking



NAME THE MOST IMPORTANT WHO OR WHAT.



TELL THE MOST IMPORTANT THING ABOUT THE WHO OR WHAT.



SAY THE MAIN IDEA IN 10 WORDS OR LESS.

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24




**How to Correct**




Stop.



That word is \_\_\_\_.  
What word? \_\_\_\_.



Good.



Go back and read  
that line again.

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**Timeline**



- 1** Collect Data: Pre-test (fluency and comprehension)
- 2** Day 1: Train Students on Set-Up Procedures and Partner Reading. Practice Reading for 10 minutes. Error Correction.
- 3** Day 2: Train Students on Paragraph Shrinkin'. Practice Reading for 10 minutes.
- 4** Day 3-10: Partner Reading. Paragraph Shrinkin' 15 minutes every day.
- 5** Collect Data: Post-test (fluency and comprehension)

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**In Action**



**2<sup>nd</sup> through 8<sup>th</sup> grades**  
<https://www.presscommunity.org/video/163/>



**1<sup>st</sup> Grade**  
<https://www.presscommunity.org/video/158/>

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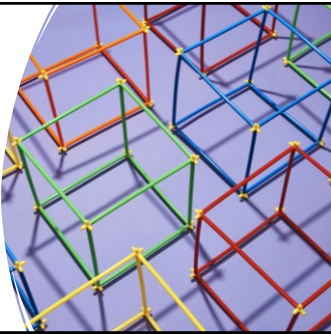
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### Science Project

- Approximately 140 4<sup>th</sup> and 5<sup>th</sup> graders
- Science content
- Readworks.org
- Grade level Science MAZE
- 3 weeks



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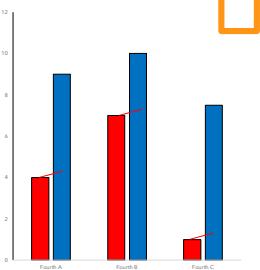
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### MAZE Growth 4<sup>th</sup> Grade



Group	Red Bar	Blue Bar
Group A	3.5	7.5
Group B	5.5	10
Group C	1.5	6.5

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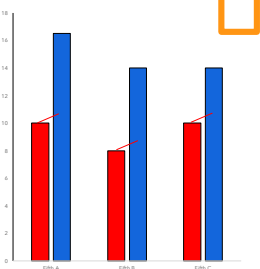
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### MAZE Growth 5<sup>th</sup> Grade



Group	Red Bar	Blue Bar
Group A	10	15
Group B	8	13
Group C	10	13

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What we found: 3<sup>rd</sup> grade Partner Reading data

Third Grade			
Third Grade Benchmark	91 Words Read Correctly (WRC)		
	Pre Intervention Class Median (WRC)	Post Intervention Class Median (WRC)	Slope (WRC)
Class 1	81	104	11.5
Class 2	87	115	14

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What we found: 3<sup>rd</sup> grade data

	Students Below Benchmark Pre Intervention	Students Below Benchmark Post Intervention	Total Students in Class
Third Grade Class 1	10	5	20
Third Grade Class 2	13	5	23

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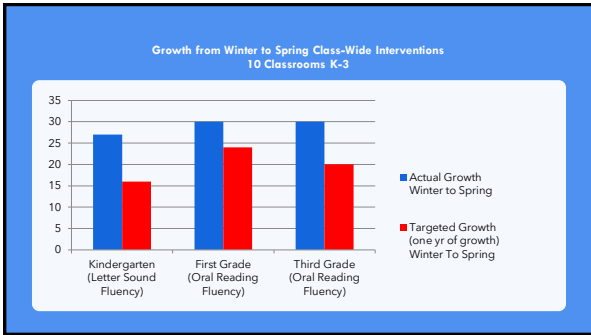
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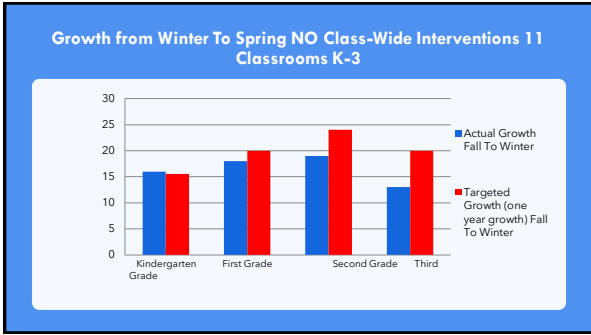
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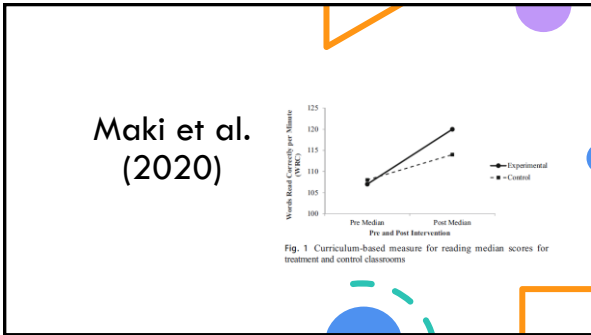
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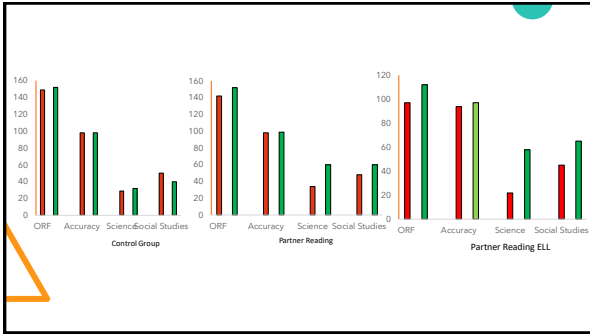
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	CBM-R Pre	CBM-R Post	NWEA MAP-Reading Score
Agreement	48	92	189
Student 1	122	142	194
Student 2	126	147	196
Student 3	92	113	190
Student 4	102	117	188
Student 5	77	97	190
Student 6	51	70	161
Student 7	84	95	192
Student 8	80	82	174
Student 9	102	127	188
Student 10	83	106	189
Student 11	38	47	149
Student 12	104	115	196
Student 13	152	161	211
Student 14	143	158	205
Student 15	115	125	195
Student 16	142	160	224
Student 17	114	127	196
Student 18	13	40	138
Student 19	75	92	185
Student 20	141	136	205
Student 21	87	105	189
Student 22	49	47	145
Student 23			
Median	87	113	190

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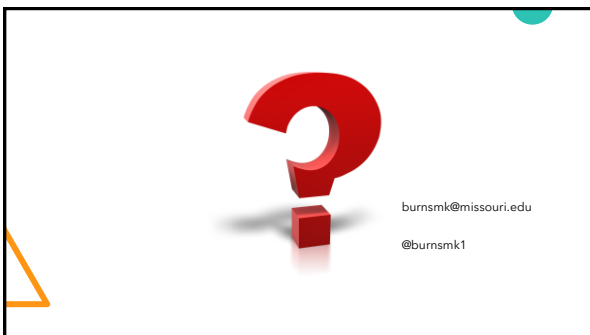
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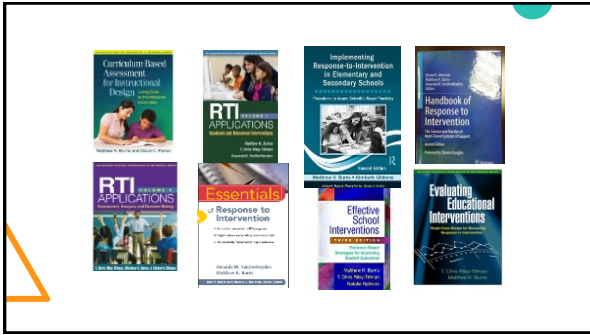
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