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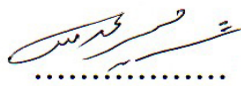
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Abstract

This study aimed at analyzing the mathematics books for the grades Six, seven and eight in Palestine. The population and the sample of the study consisted of the textbooks for grades six to eight for the school year 2010/2011. The study applied analysis instrument derived directly from the content and operation standards issued by National council of mathematics' teachers (NCTM) with validity and reliability ensured.

The study revealed that the level of NCTM standards in sixth to eighth grades in Palestine range between medium (in some cases) and low and in most standards were not even existed.

The researcher recommended conducting more studies concerning the American international council for mathematics teachers, taking those criteria into consideration as well as involving some other variables.

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National Council of Teachers of (NCTM)

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Curriculum and Evaluation Standards

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Curriculum and Evaluation Standards for School Mathematics 1989

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The principle for School Mathematics

(Equity principle)

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(Curriculum Principle) : -2

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(Teaching principle) : -3

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(Learning Principle): -4

(Assessment Principle): -5

(Technology Principle): -6

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(Content Standards): :

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Measurement Standard : -4

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(Problem Solveng Standard) : -1

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(Reasoning and Proof Standard):

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(communication standard)

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(Representation standard) _5

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(269)

(61)

(16)

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 (47.72 %)
 (55.35 %) (75 %)
 (%50)
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(%50.72-%4.36)

(62.91 %-)

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(Jiang,1995)

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1.1.4

(3.4) (2.4) (1.4)

:(1.4)

%21.93	59		1
%26.39	71		2

%5.95	16		3
%8.55	23	.	4
%5.58	15		5
%4.09	11	() .	6
%13.76	37	.	7
%2.60	7		8
%8.18	22		9
%2.97	8		10
%100	269		

(1.4)

(269)

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" (71) (%26.39)

" (7) (%2.60).

(2009)

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:(2.4)

النسبة المئوية	التكرار	المعيار	
		.	أولا
%14.31	79		1
%10.87	60		2

%12.14	67		3
%12.68	70	:	4
%3.62	20		5
			ثانياً
%4.71	26	()	6
%3.08	17		7
			ثالثاً
%27.90	154		8
0%	0		9
%10.68	59		10
%100	552		

(2.4)

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(154)

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(17)

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:(3.4)

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3.94%	5	.	1

14.17%	18		2
0%	0	.	3
0%	0	:	4
3.15%	4	.	5
.			
3.93%	5	()	6
السهولة في الحساب والقيام بتقديرات معقولة.			ثالثا
11.02%	14	.	7
27.56%	35	.	8
13.39%	17	.	9
22.83%	29	.	10
%100	127		

(3.4)

(127

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(6.4)

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جدول (4.4):

النسبة المئوية	التكرار	المعيار	
		.	
%20	7	.	1
%8.57	3		2
		.	
%0	0		3
%14.29	5	()	4
		.	
%0	0	.	5
			6
%11.43	4	.	7
		.	
%5.71	2		8
%22.86	8		9

%17.14	6		10
%100	35		

(4.4)

(35)

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(%22.86)

(8)

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(%5.71)

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:(5.4)

م	المعيار	التكرار	النسبة المئوية
	.		
1	.	19	%44.19
2		6	%13.95
	.		
3		9	%20.93
4	()	6	%13.95
	.		
5	.	0	%0
5		0	%0
6	.	3	%6.98
	.		
8		0	%0
9		0	%0
10		0	%0
		43	%100

(43)

11

11

(%44.19)

(19)

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11

(%6.98)

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■

(2004)

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:(6.4)

		.	
%20.10	38		1
%6.34	12		2
		.	
%14.28	27		3
%10.58	20	()	4
		.	
%0	0		5
%0	0		6
%4.23	8		7
		.	
%16.40	31		8
%11.11	21		9
%16.93	32		10
%100	189		

(6.4)

" (189)

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"

كان "استخدام التنبؤات

(%20.11)

(38)

(8) وبنسب مئوية

" لصياغة أسئلة جديدة وتخطيط دراسات جديدة للإجابة

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بلغت (4.23)

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(%70)

(2009)

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(9.4) (8.4) (7.4)

:(7.4)

م	المعيار	التكرار	النسبة المئوية
1		0	%0
	.	1	%1.72
3		0	%0
4	.	21	%36.21
			.
5	()	6	%10.35
6		5	%8.62
7		10	%17.24
8		8	%13.79
9		7	%12.07
10		0	%0
		58	%100

(7.4)

(58)

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(%36.21)

(21)

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(1)

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(%1.72)

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(NCTM)

(2009)

.(%23،%6)

(2007)

كما اختلفت مع دراسة أبو عمرة(2007) حيث بلغت نسبة توافر نسبة المعايير (78 %) تقريباً، وهي نسبة جيدة ولكنها لا تمثل الجودة.

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:(8.4)

م	المعيار	التكرار	النسبة المئوية
1		0	%0
2	.	0	%0
3		0	%0
4	.	33	%50.77
			.
5	()	6	%9.23
6		13	%20
7		4	%6.16
8		3	%4.62
9		5	%7.69
10		1	%1.54
		65	%100

(8.4)

(65)

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(33)

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(%50.77)

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(NCTM) (2009)

(2007) (%6 %23).

كما اختلفت مع دراسة أبو عمرة (2007) حيث بلغت نسبة توافر نسبة المعايير (78%) تقريباً، وهي نسبة جيدة ولكنها لا تمثل الجودة.

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:(9.4)

م	المعيار	التكرار	النسبة المئوية
1		0	%0
2	.	0	%0
3		0	%0
4	.	0	%0
			.
5	()	%0	%0
6	.	%0	%0
7		%0	%0
8	.	%0	%0
9	.	%0	%0
10	.	%0	%0
		%0	%0

(9.4)

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(NCTM)

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.(%23 %6)

(2007)

كما اختلفت مع دراسة أبو عمرة (2007) حيث بلغت نسبة توافر نسبة المعايير (78 %)
تقريباً، وهي نسبة جيدة ولكنها لا تمثل الجودة.

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(10.4) (11.4) (12.4)

:(10.4)

م	المعيار	التكرار	النسبة المئوية
أولا	فهم الأنماط العلاقات والاقتراعات		
1	.	5	%27.77
2		0	%0
ثانيا			
3	.	6	%33.33
4		0	%0
5	.	1	%5.55
ثالثا	.		

%11.11	2		6
.			رابعاً
%22.22	4		7
%100	18		

(10.4)

(18)

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(%33.33)

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:(11.4)

م	المعيار	التكرار	النسبة المئوية
1		42	%27.63
2		16	%10.53
3		40	%26.32
4		30	%19.74
5		12	%7.89
6		9	%5.92
7		3	%1.97
		152	%100

(11.4)

(152)

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(42)

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(%27.63)

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.(%1.97)

(3)

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:(12.4)

م	المعيار	التكرار	النسبة المئوية
أولا			
1	.	75	%43.61
2		9	%5.23
ثانيا	.		
3	.	10	%5.81
4		57	%33.14

%3.49	6	.	5
.			ثالثا
%5.81	10	.	6
.			رابعا
%2.91	5	.	7
	172		

(12.4)

(172)

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(75)

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(%43.61)

.(%2.91)

(5)

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(2005)

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.(15.4) (14.4) (13.4)

:(13.4)

%26.47	45		1
%10.59	18		2
%4.71	8		3
%0	0		4
%0	0		5
		()	
%1.76	3		6
%23.53	40		7
%20.59	35		8
%4.71	8	()	9
%7.64	13		10
%100	170		

(13.4)

(170)

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(%26.47)

(45)

"

" اختيار التطابق و التشابه و محاور التماثل و الدوران للأشياء باستخدام التحويلات

" استخدام

(%1.76)

(3)

الهندسية

الهندسة الإحداثية لتمثيل واختيار خصائص الأشكال الهندسية " و "

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(2000)

(NCTM)

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:(14.4)

م	المعيار	التكرار	النسبة المئوية
			.
1		65	%28.76
2		80	%35.40
3		28	%12.39
			.
4		0	%0
5		0	%0
			()
6		29	%12.83
7		0	%0
8		4	%1.77
9		12	%5.31 ()
10		8	%3.54 .
		226	%100

(14.5)

: (15.4)

م			
أولا			
1	160	%38.37	
2	130	%31.17	
3	52	%12.47	
ثانيا			
4	0	%0	
5	0	%0	
ثالثا			()
6	17	%4.08	
رابعا			
7	25	%5.99	
8	9	%2.16	
9	13	%3.11	()
10	11	%2.63	
	417	%100	

(15.4)

(417)

(%38.37) (160) " .

" (9) " (%2.16)

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:(16.4)

م	المعيار	الصف السادس	الصف السابع	الصف الثامن	المجموع
1		269 %28.37	552 %58.23	127 %13.40	948 %100
2		35 %13.11	43 %16.10	189 %70.79	267 %100
3		58 %47.15	65 %52.85	0 %0	123 %100
4		18 %5.26	152 %44.45	172 %50.29	342 %100
5		170 %20.91	226 %27.80	417 %51.29	813 %100

(16.4)

(%13.40،%58.23،%28.37)

(%51.29،%27.80،%20.91)

(%50.29،%44.45،%5.26)

(%70.79،%16.10،%13.11)

.(%0 ، %52.85،%47.15)

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(17.4) (18.4) (19.4).

:(17.4)

%16.67	37		1
%27.03	60		2
%44.59	99		3
%11.71	26		4
%100	222		

(17.4)

(222)

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"

(%44.59)

(99)

"

.(%11.71)

(26)

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(David 1996)

(2007)

(2004)

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:(18.4)

%15.79	51	.	1
%31.68	112	.	2
%37.77	122	.	3
%11.76	38	.	4
%100	323		

(18.4)

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(323)

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(%37.77)

(122)

(%11.76)

(38)

"

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 .
 (David 1996)
 (2007)
 (2004)
 .
 :(19.4)
 .

%17.82	54		1
%18.15	55		2
%43.90	133	" "	3
%20.13	61		4
%100	303		

(19.4)
 " (303)
 "
 " (%43.90) (133)
 .(%17.82) (54) "

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(2008)

(2007)

(2004)

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(22)

(21)

(20)

:(20.4)

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م	المعيار	التكرار	النسبة المئوية
1		27	%34.18
2		16	%20.25
3		22	%27.85

%17.72	14		4
%100	79		

(20.4)

(79)

"

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(%34.18)

(27)

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(14)

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.(%17.72)

(2008)

(2004)

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:(21.4)

م	المعيار	التكرار	النسبة المئوية
1		22	%22.68
2		31	%31.96
3		14	%14.43
4		30	%30.93
		97	%100

(21.4)

(97)

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(%30.92)

(30)

.(%14.43)

(14)

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(1997)

(2004)

(2008)

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:(22.4)

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			م
%16.05	26		1
%28.39	46		2
%23.46	38		3
%32.10	52		4
%100	162		

(22.4)

(162)

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(%32.46)

(52)

(26)

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.(%16.05)

(1997)

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(25.4) (24.4) (23.4)

:(23.3)

%22.70	37		1
%15.34	25		2
%40.49	66	.	3
%21.47	35		4
%100	163		

(23.4)

(163)

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(%40.49)

(25)

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.(%15.34)

(2008)

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:(24.4)

%30.67	165		1
%13.20	71		2
%11.34	61		3
%44.79	241		4
%100	538	المجموع	

(24.4)

(538)

(241)

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" (44.79%)
 (%11.33) (61) "

(2008)

(1997)

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م	المعيار	التكرار	النسبة المئوية
1		97	%28.53
2		26	%7.65
3	.	33	%9.71
4		184	%54.12
المجموع		340	%100

(25.4)

(340)

(184)

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" (%54.11)
 (%9.70) (33) "

(2008)

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(28.4) (27.4) (26.4)

:(26.4)

%24.69	40		1
%33.95	55		2
%41.36	67		3
%100	162		

(26.4)

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(%41.35)

(%24.69)

(40)

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:(27.4)

%33.33	83		1
%40.16	100		2
%26.51	66		3
%100	249		

(27.4)

(249)

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(%40.16)

(100)

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(66)

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(%26.5)

(2005)

(2004)

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:(28.4)

%45.80	98		1
%28.50	61		2
%25.70	55		3
%100	214	المجموع	

(28.4)

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(%45.97)

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(2004)

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.(31.4)

(30.4)

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:(29.4)

%21.28	20		1
%63.83	60		2
%14.89	14		3
%100	94		

(29.4)

(94)

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(%63.82)

(60)

(14)

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.(%14.89)

(2005)

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:(30.4)

%40.27	60		1
%39.69	59		2
%20.13	30		3
%100	149	المجموع	

(30.4)

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(%40.27)

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(30)

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.(%20.13)

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:(31.4)

م	المعيار	التكرار	النسبة المئوية
1		75	%42.14
2		36	%20.22
3		67	%37.64
المجموع			%100

(31.4)

(178)

(75)

"

"

(%42.14)

(%20.22)

(36)

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(2008)

(2004)

(2005)

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:(32.4)

م	المعيار	الصف السادس	الصف السابع	الصف الثامن	المجموع
1		222 %26.18	323 %39.09	303 %35.73	848 %100
2		79 %23.37	97 %28.70	162 %47.93	338 %100
3		163 %15.66	538 %51.68	340 %32.66	1041 %100
4		162 %25.92	249 %39.84	214 %34.24	625 %100
5		94 %22.33	149 %35.39	178 %42.28	421 %100

(32.4)

(% 35.73 %38.09 %26.18)

(%47.92 %28.68 %23.37)

(%34.24 %39.84 %25.92)

(%32.66 %51.68 %15.66)

. (%42.28 %35.39 %22.33)

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(%32.09 - %16.04) (%30.92 - %14.43) (%34.17

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(%54.11 - %7.64) (%44.79 - %11.33) (%40.49

- %24.69)

. (%45.97 - %25.70) (%40.16 - %26.50) (%41.35

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AL-Tammar, J. (1991). The Relevance of The 1989 National Council of Teachers Mathematics Standards to long Planning for Mathematics Education at The Elementary Schools Level (KG-four grade) In Kuwait
•**PHD Dissertation** •University of Pittsburg.

David, C. Korten (1996). The truth about global competition •
Development Cooperation, No3, May-June, pp.4-5 .

Henesy, L.(1996) An examination of elementary mathematics textbook Problem Solving Items during the third and Sixth Classes in United States, and Possible Influences on (NCTM) Standards **Dissertation Abstract International**, 58, (14) pp.6253, AAC9715143.

Jakabcsin, Mary.(2000). Attitudes Of Secondary School Mathematics Teacher About The NCTM Standards And The Reform Movement: Implications For Staff Development, Ph.D, University Of Pittsburgh, **Dissertation Abstract International**, Vol.61, No.6, PP:2224. AAC9974438

Jetter, A. (1993). "mississippi learning." **The New York Times Magazine**, 50, (p64- 72).

Jiang, Z. (1995), A brief comparison of The U.S.A and chinese middle school mathematics Programs, **School Science and Mathematics**, 95(4), 187-194.

Kim, H. (1993). A Comparative Study Between an American and a Republic of Korean textbook Series Coverage of Measurement and Geometry Content in First Through Eighth Grades **The journal of School Science and Mathematics**, 93, (3), pp.(123-126).

Krebs, A. (2003). Middle Grades Students Algebraic Understanding in a reform Curriculum. **School Science and mathematics**, Vol.103, No5, pp: 258-264

Kulum, Gerald, and Curtis, D (2000); Rating Algebra Textbooks. **Paper presented at the annual meeting of the national council of teachers of mathematics**, Chicago, goober professor Texas A & M University.

Li, Yeping (2000); Acomparision of problems that follow selected content presentations in american and chinese.**Journal for Research in Mathematics Education**, vol. 31(2):234-238.

National Council of Teachers of Mathematics (NCTM) (1989). **Curriculum and Evaluation Standards for School Mathematics**

National Council of Teachers of Mathematics (NCTM)1995. **Assessment Standrds For School Mathematics**

National Council of Teachers of Mathematics (NCTM) (2000) **principles and standards for school mathematics.**

Nissen, Nachum. (2000). Textbook And The National Council Of Teachers Of Mathematics Curriculum Standards For Geometry. Ph.D. Georgia State University, **Dissertation Abstract International**, Vol.61, No.6, PP:310 AAC9978930.

Posner, G. J. (2004). **Analyzing The Curriculum**, The Third Edition, McGraw-Hill Company, New York

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$$2/1 + (8/1 + 4/3) . \quad : \quad \mathbf{(1)}$$

$$(2/1+8/1)+ 4/3 .$$

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$$. \quad \underline{\hspace{2cm}} \quad \underline{\hspace{2cm}} \quad (2/7+ 3/4)+ 2/5 = 2/7 + (3/4 + 2/5) .$$

$$\underline{\hspace{2cm}} \quad 3/4 \times 2/3 + 1/2 \times 2/3 = (3/4 + 1/2) \times 2/3 .$$

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$$8 = 2 \cdot$$

$$28 = 5 + 3 \cdot$$

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$$5 \quad 3 \quad (1)$$

$$. \quad \times \quad \times 3/1 = \quad :$$

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$$\cdot \quad 7 \qquad \qquad 4$$

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$$7 \times 3.14 \times 4 \times 2 =$$

$$2 \quad 175.84 =$$

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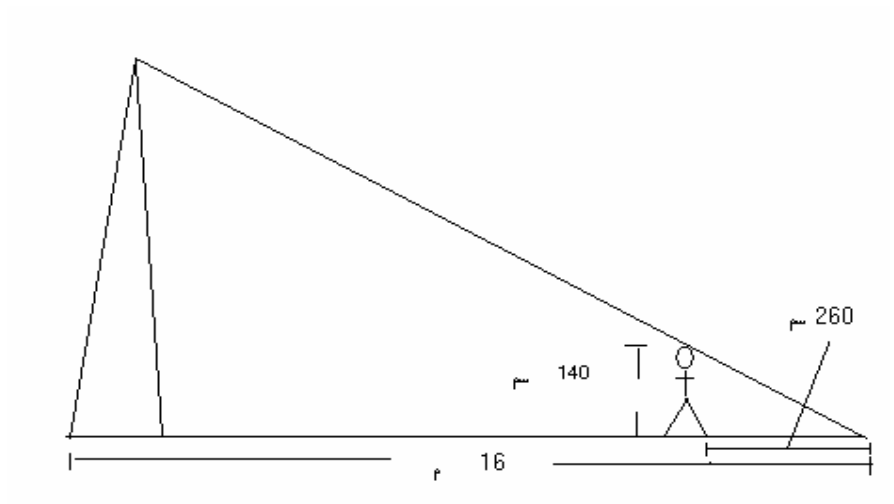
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$$1.40=100/140$$

$$2.60=100/260$$

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$$1.40 \times 16 = 2.60 \times$$

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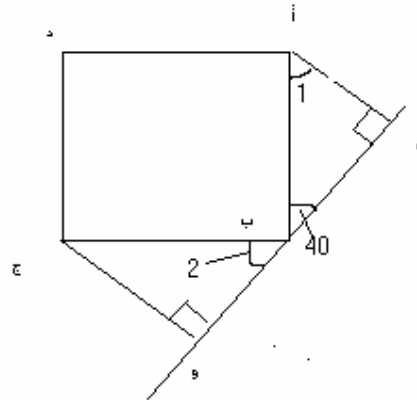
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$$3\frac{1}{2} = \frac{7}{2}$$

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$$\frac{14}{3} = (2 + 4 \times 3) / 3 = 4\frac{2}{3}$$

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$$: \quad \frac{1}{2}$$

$$(1 + 2 \times 2) / 2 \times \frac{1}{2} = 2\frac{1}{2} \times \frac{1}{2}$$

$$1\frac{1}{4} = \frac{5}{4} = \frac{5}{2} \times \frac{1}{2} =$$

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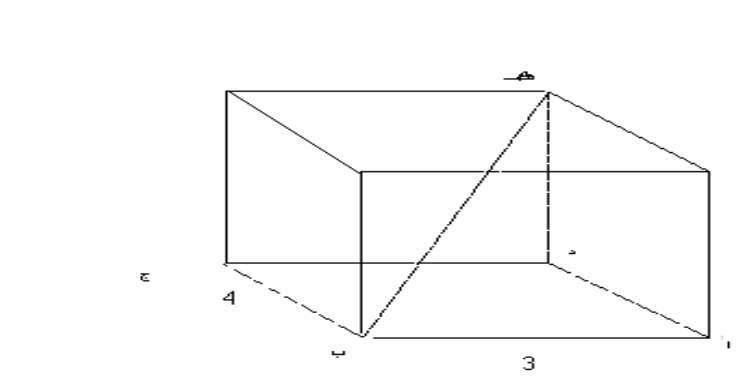
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$$: \qquad 5 \quad 4 \quad 3 \qquad (1)$$



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$$50 = 25 + 25 = ^2(5) + ^2(5) = ^2(\quad)$$

$$\sqrt{50} =$$

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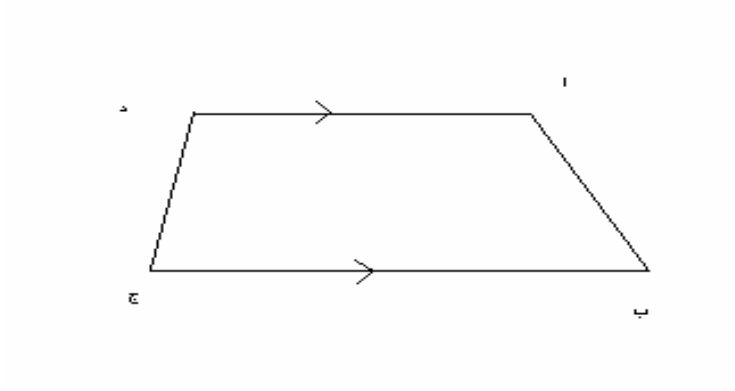
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$$23 = 18 + 5 = (6 \times 3) + 5($$

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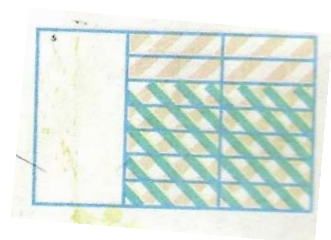
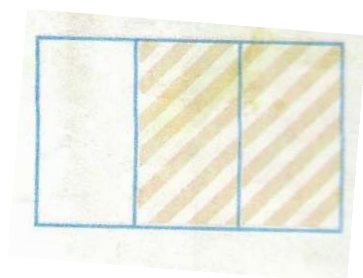
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48	التكرارات والنسب المئوية لمعيار العدد والعمليات المتضمنة في كتاب الصف السادس	1.4
50	التكرارات والنسب المئوية لمعيار العدد والعمليات المتضمنة في كتاب الصف السابع	2.4
52	التكرارات والنسب المئوية لمعيار العدد والعمليات المتضمنة في كتاب الصف الثامن	3.4
55	التكرارات والنسب المئوية لمعيار البيانات والاحتمالات المتضمنة في كتاب الصف السادس	4.4
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8	1-2	13
9	2-1-2	14
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27	2-2	16
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43	: 3-2	19
45	: 3-3	20
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