

SCHOOL ITEM ANALYSIS REPORT

All Students

Grade 04
Fall 2010
MATHEMATICS

School Name: **TYRONE ELEMENTARY SCHOOL**
School Code: **04240**

No. of Students Assessed = 73

MULTIPLE CHOICE								
Focal Point Topic Code	Item Descriptor Number	GLCE Code	PERCENT RESPONDING					
			A %	B %	C %	D %	Omit %	Multi %
Understanding of fractions								
Relate fractions to whole; +, -	1	N.ME.03.16	1	5	0	93+	0	0
Relate fractions to whole; +, -	2	N.ME.03.16	23	3	73+	1	0	0
Relate fractions to whole; +, -	3	N.ME.03.17	38	29	4	29+	0	0
Relate fractions to whole; +, -	4	N.ME.03.17	0	7	75	16+	0	1
Relate fractions to whole; +, -	5	N.ME.03.18	16	16	37+	30	0	0
Relate fractions to whole; +, -	6	N.ME.03.18	10+	33	51	7	0	0
Relate fractions to whole; +, -	56	N.ME.03.19	8	10	21	60+	1	0
Relate fractions to whole; +, -	59	N.MR.03.20	18	37+	26	19	0	0
Decimal fractions & money	57	N.ME.03.21	12	33	14+	41	0	0
Multiplication and division								
Count in steps, evens & odds	55	N.ME.03.05	36	47+	7	11	0	0
Multiply & divide wholes	7	N.MR.03.09	15	16	8	60+	0	0
Multiply & divide wholes	8	N.MR.03.09	84+	8	1	5	1	0
Multiply & divide wholes	9	N.MR.03.10	7	71+	12	10	0	0
Multiply & divide wholes	10	N.MR.03.10	41+	14	15	30	0	0
Multiply & divide wholes	11	N.FL.03.11	15	15	55+	15	0	0
Multiply & divide wholes	12	N.FL.03.11	79+	12	4	4	0	0
Multiply & divide wholes	58	N.MR.03.12	15	4	3	78+	0	0
Multiply & divide wholes	31	N.MR.03.14	8	32+	29	32	0	0
Multiply & divide wholes	32	N.MR.03.14	36	29	12	23+	0	0
Problem solving with wholes	33	N.MR.03.15	49+	15	15	21	0	0
Problem solving with wholes	34	N.MR.03.15	23	23+	25	29	0	0
Properties of 2D, 3D shapes								
Elements of geometric objects	13	G.GS.03.01	59+	12	14	15	0	0
Elements of geometric objects	14	G.GS.03.01	37	29+	22	12	0	0
Elements of geometric objects	15	G.GS.03.02	44+	23	5	27	0	0
Elements of geometric objects	16	G.GS.03.02	16	33	30+	21	0	0
Elements of geometric objects	17	G.GS.03.03	60+	11	14	15	0	0
Elements of geometric objects	18	G.GS.03.03	16	18	14	51+	1	0
Properties of shapes	19	G.GS.03.04	38+	38	15	8	0	0
Properties of shapes	20	G.GS.03.04	37	36+	14	14	0	0
Properties of shapes	21	G.SR.03.05	19	18	21+	42	0	0
Properties of shapes	22	G.SR.03.05	37+	25	23	15	0	0

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MULTIPLE CHOICE								
Focal Point Topic Code	Item Descriptor Number	GLCE Code	PERCENT RESPONDING					
			A %	B %	C %	D %	Omit %	Multi %
Name & explore 3-D solids	23	G.GS.03.06	25	59+	11	5	0	0
Name & explore 3-D solids	24	G.GS.03.06	25	21	26+	27	0	1
Name & explore 3-D solids	42	G.SR.03.07	63	21+	10	7	0	0
Understanding area, perimeter								
Meaning of area & perimeter	29	M.UN.03.05	37	52+	5	5	0	0
Meaning of area & perimeter	30	M.UN.03.05	47	12	7	34+	0	0
Meaning of area & perimeter	25	M.UN.03.06	14	53+	21	12	0	0
Meaning of area & perimeter	26	M.UN.03.06	5	36+	33	26	0	0
Meaning of area & perimeter	27	M.UN.03.07	7	21	42+	30	0	0
Meaning of area & perimeter	28	M.UN.03.07	63+	7	18	12	0	0
Meaning of area & perimeter	49	M.UN.03.08	22+	45	22	11	0	0
Solve measurement problems	43	M.PS.03.10	22	16	11	51+	0	0
Solve measurement problems	44	M.PS.03.11	3	5	14	77+	1	0
Solve measurement problems	35	M.PS.03.12	14	32	44+	11	0	0
Solve measurement problems	36	M.PS.03.12	52+	10	25	14	0	0
Solve measurement problems	37	M.PS.03.13	63	4	15+	18	0	0
Solve measurement problems	38	M.PS.03.13	53	8	26+	12	0	0
Connections								
Number notation & place value	52	N.ME.03.01	11	4	79+	5	0	0
Number notation & place value	53	N.ME.03.02	10	8	10	73+	0	0
Number notation & place value	54	N.ME.03.03	8	11	71+	10	0	0
Add & subtract whole numbers	50	N.FL.03.06	7	59+	29	5	0	0
Add & subtract whole numbers	51	N.FL.03.07	11	23	45+	21	0	0
Length, weight, temp & time	45	M.UN.03.01	7	27+	59	7	0	0
Length, weight, temp & time	46	M.UN.03.02	34+	18	27	19	1	0
Length, weight, temp & time	47	M.UN.03.03	29	15	36+	19	1	0
Length, weight, temp & time	48	M.UN.03.04	58	15	8	19+	0	0
Use bar graphs	39	D.RE.03.01	22	33	15	29+	0	1
Use bar graphs	40	D.RE.03.02	41	12	41+	5	0	0
Use bar graphs	41	D.RE.03.03	11	25	19	41+	4	0

+ = Correct Response
Due to rounding percents may not sum to 100%

SCHOOL ITEM ANALYSIS REPORT

Students with Disabilities

Grade 04
Fall 2010
MATHEMATICS

School Name: **TYRONE ELEMENTARY SCHOOL**
School Code: **04240**

No. of Students Assessed = 5

MULTIPLE CHOICE								
Focal Point Topic Code	Item Descriptor Number	GLCE Code	PERCENT RESPONDING					
			A %	B %	C %	D %	Omit %	Multi %
Understanding of fractions								
Relate fractions to whole; +, -	1	N.ME.03.16	0	0	0	100+	0	0
Relate fractions to whole; +, -	2	N.ME.03.16	20	0	80+	0	0	0
Relate fractions to whole; +, -	3	N.ME.03.17	40	0	0	60+	0	0
Relate fractions to whole; +, -	4	N.ME.03.17	0	20	40	40+	0	0
Relate fractions to whole; +, -	5	N.ME.03.18	0	0	20+	80	0	0
Relate fractions to whole; +, -	6	N.ME.03.18	20+	20	60	0	0	0
Relate fractions to whole; +, -	56	N.ME.03.19	0	0	20	80+	0	0
Relate fractions to whole; +, -	59	N.MR.03.20	20	40+	0	40	0	0
Decimal fractions & money	57	N.ME.03.21	0	40	0+	60	0	0
Multiplication and division								
Count in steps, evens & odds	55	N.ME.03.05	40	40+	20	0	0	0
Multiply & divide wholes	7	N.MR.03.09	40	60	0	0+	0	0
Multiply & divide wholes	8	N.MR.03.09	80+	20	0	0	0	0
Multiply & divide wholes	9	N.MR.03.10	0	60+	40	0	0	0
Multiply & divide wholes	10	N.MR.03.10	40+	20	20	20	0	0
Multiply & divide wholes	11	N.FL.03.11	0	40	60+	0	0	0
Multiply & divide wholes	12	N.FL.03.11	100+	0	0	0	0	0
Multiply & divide wholes	58	N.MR.03.12	0	20	0	80+	0	0
Multiply & divide wholes	31	N.MR.03.14	0	60+	20	20	0	0
Multiply & divide wholes	32	N.MR.03.14	40	0	40	20+	0	0
Problem solving with wholes	33	N.MR.03.15	60+	40	0	0	0	0
Problem solving with wholes	34	N.MR.03.15	40	20+	40	0	0	0
Properties of 2D, 3D shapes								
Elements of geometric objects	13	G.GS.03.01	80+	0	20	0	0	0
Elements of geometric objects	14	G.GS.03.01	60	0+	40	0	0	0
Elements of geometric objects	15	G.GS.03.02	80+	0	0	20	0	0
Elements of geometric objects	16	G.GS.03.02	20	20	40+	20	0	0
Elements of geometric objects	17	G.GS.03.03	60+	0	0	40	0	0
Elements of geometric objects	18	G.GS.03.03	0	40	20	40+	0	0
Properties of shapes	19	G.GS.03.04	60+	0	40	0	0	0
Properties of shapes	20	G.GS.03.04	40	20+	20	20	0	0
Properties of shapes	21	G.SR.03.05	60	0	20+	20	0	0
Properties of shapes	22	G.SR.03.05	0+	20	80	0	0	0

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MULTIPLE CHOICE								
Focal Point Topic Code	Item Descriptor Number	GLCE Code	PERCENT RESPONDING					
			A %	B %	C %	D %	Omit %	Multi %
Name & explore 3-D solids	23	G.GS.03.06	20	60+	0	20	0	0
Name & explore 3-D solids	24	G.GS.03.06	40	0	40+	20	0	0
Name & explore 3-D solids	42	G.SR.03.07	20	40+	20	20	0	0
Understanding area, perimeter								
Meaning of area & perimeter	29	M.UN.03.05	0	80+	0	20	0	0
Meaning of area & perimeter	30	M.UN.03.05	0	20	20	60+	0	0
Meaning of area & perimeter	25	M.UN.03.06	0	60+	20	20	0	0
Meaning of area & perimeter	26	M.UN.03.06	20	40+	40	0	0	0
Meaning of area & perimeter	27	M.UN.03.07	0	0	40+	60	0	0
Meaning of area & perimeter	28	M.UN.03.07	100+	0	0	0	0	0
Meaning of area & perimeter	49	M.UN.03.08	20+	20	60	0	0	0
Solve measurement problems	43	M.PS.03.10	0	0	40	60+	0	0
Solve measurement problems	44	M.PS.03.11	0	20	0	80+	0	0
Solve measurement problems	35	M.PS.03.12	0	40	40+	20	0	0
Solve measurement problems	36	M.PS.03.12	40+	40	20	0	0	0
Solve measurement problems	37	M.PS.03.13	20	0	20+	60	0	0
Solve measurement problems	38	M.PS.03.13	40	20	40+	0	0	0
Connections								
Number notation & place value	52	N.ME.03.01	20	0	80+	0	0	0
Number notation & place value	53	N.ME.03.02	20	0	20	60+	0	0
Number notation & place value	54	N.ME.03.03	0	0	60+	40	0	0
Add & subtract whole numbers	50	N.FL.03.06	20	40+	40	0	0	0
Add & subtract whole numbers	51	N.FL.03.07	20	60	20+	0	0	0
Length, weight, temp & time	45	M.UN.03.01	0	0+	100	0	0	0
Length, weight, temp & time	46	M.UN.03.02	20+	40	20	20	0	0
Length, weight, temp & time	47	M.UN.03.03	40	20	40+	0	0	0
Length, weight, temp & time	48	M.UN.03.04	60	20	0	20+	0	0
Use bar graphs	39	D.RE.03.01	20	20	0	60+	0	0
Use bar graphs	40	D.RE.03.02	60	20	20+	0	0	0
Use bar graphs	41	D.RE.03.03	0	40	60	0+	0	0

+ = Correct Response
Due to rounding percents may not sum to 100%

SCHOOL ITEM ANALYSIS REPORT

All Except Students with Disabilities

Grade 04
Fall 2010
MATHEMATICS

School Name: **TYRONE ELEMENTARY SCHOOL**
School Code: **04240**

No. of Students Assessed = 68

MULTIPLE CHOICE								
Focal Point Topic Code	Item Descriptor Number	GLCE Code	PERCENT RESPONDING					
			A %	B %	C %	D %	Omit %	Multi %
Understanding of fractions								
Relate fractions to whole; +,-	1	N.ME.03.16	1	6	0	93+	0	0
Relate fractions to whole; +,-	2	N.ME.03.16	24	3	72+	1	0	0
Relate fractions to whole; +,-	3	N.ME.03.17	38	31	4	26+	0	0
Relate fractions to whole; +,-	4	N.ME.03.17	0	6	78	15+	0	1
Relate fractions to whole; +,-	5	N.ME.03.18	18	18	38+	26	0	0
Relate fractions to whole; +,-	6	N.ME.03.18	9+	34	50	7	0	0
Relate fractions to whole; +,-	56	N.ME.03.19	9	10	21	59+	1	0
Relate fractions to whole; +,-	59	N.MR.03.20	18	37+	28	18	0	0
Decimal fractions & money	57	N.ME.03.21	13	32	15+	40	0	0
Multiplication and division								
Count in steps, evens & odds	55	N.ME.03.05	35	47+	6	12	0	0
Multiply & divide wholes	7	N.MR.03.09	13	13	9	65+	0	0
Multiply & divide wholes	8	N.MR.03.09	84+	7	1	6	1	0
Multiply & divide wholes	9	N.MR.03.10	7	72+	10	10	0	0
Multiply & divide wholes	10	N.MR.03.10	41+	13	15	31	0	0
Multiply & divide wholes	11	N.FL.03.11	16	13	54+	16	0	0
Multiply & divide wholes	12	N.FL.03.11	78+	13	4	4	0	0
Multiply & divide wholes	58	N.MR.03.12	16	3	3	78+	0	0
Multiply & divide wholes	31	N.MR.03.14	9	29+	29	32	0	0
Multiply & divide wholes	32	N.MR.03.14	35	31	10	24+	0	0
Problem solving with wholes	33	N.MR.03.15	49+	13	16	22	0	0
Problem solving with wholes	34	N.MR.03.15	22	24+	24	31	0	0
Properties of 2D, 3D shapes								
Elements of geometric objects	13	G.GS.03.01	57+	13	13	16	0	0
Elements of geometric objects	14	G.GS.03.01	35	31+	21	13	0	0
Elements of geometric objects	15	G.GS.03.02	41+	25	6	28	0	0
Elements of geometric objects	16	G.GS.03.02	16	34	29+	21	0	0
Elements of geometric objects	17	G.GS.03.03	60+	12	15	13	0	0
Elements of geometric objects	18	G.GS.03.03	18	16	13	51+	1	0
Properties of shapes	19	G.GS.03.04	37+	41	13	9	0	0
Properties of shapes	20	G.GS.03.04	37	37+	13	13	0	0
Properties of shapes	21	G.SR.03.05	16	19	21+	44	0	0
Properties of shapes	22	G.SR.03.05	40+	25	19	16	0	0

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MULTIPLE CHOICE								
Focal Point Topic Code	Item Descriptor Number	GLCE Code	PERCENT RESPONDING					
			A %	B %	C %	D %	Omit %	Multi %
Name & explore 3-D solids	23	G.GS.03.06	25	59+	12	4	0	0
Name & explore 3-D solids	24	G.GS.03.06	24	22	25+	28	0	1
Name & explore 3-D solids	42	G.SR.03.07	66	19+	9	6	0	0
Understanding area, perimeter								
Meaning of area & perimeter	29	M.UN.03.05	40	50+	6	4	0	0
Meaning of area & perimeter	30	M.UN.03.05	50	12	6	32+	0	0
Meaning of area & perimeter	25	M.UN.03.06	15	53+	21	12	0	0
Meaning of area & perimeter	26	M.UN.03.06	4	35+	32	28	0	0
Meaning of area & perimeter	27	M.UN.03.07	7	22	43+	28	0	0
Meaning of area & perimeter	28	M.UN.03.07	60+	7	19	13	0	0
Meaning of area & perimeter	49	M.UN.03.08	22+	47	19	12	0	0
Solve measurement problems	43	M.PS.03.10	24	18	9	50+	0	0
Solve measurement problems	44	M.PS.03.11	3	4	15	76+	1	0
Solve measurement problems	35	M.PS.03.12	15	31	44+	10	0	0
Solve measurement problems	36	M.PS.03.12	53+	7	25	15	0	0
Solve measurement problems	37	M.PS.03.13	66	4	15+	15	0	0
Solve measurement problems	38	M.PS.03.13	54	7	25+	13	0	0
Connections								
Number notation & place value	52	N.ME.03.01	10	4	79+	6	0	0
Number notation & place value	53	N.ME.03.02	9	9	9	74+	0	0
Number notation & place value	54	N.ME.03.03	9	12	72+	7	0	0
Add & subtract whole numbers	50	N.FL.03.06	6	60+	28	6	0	0
Add & subtract whole numbers	51	N.FL.03.07	10	21	47+	22	0	0
Length, weight, temp & time	45	M.UN.03.01	7	29+	56	7	0	0
Length, weight, temp & time	46	M.UN.03.02	35+	16	28	19	1	0
Length, weight, temp & time	47	M.UN.03.03	28	15	35+	21	1	0
Length, weight, temp & time	48	M.UN.03.04	57	15	9	19+	0	0
Use bar graphs	39	D.RE.03.01	22	34	16	26+	0	1
Use bar graphs	40	D.RE.03.02	40	12	43+	6	0	0
Use bar graphs	41	D.RE.03.03	12	24	16	44+	4	0

+ = Correct Response

Due to rounding percents may not sum to 100%