End-of-the-Year Test Grade 3 Answer Key

Instructions to the teacher:

My suggestion for grading is below. The total is 207 points. A score of 166 points is 80%.

Grading on question 1 (the multiplication tables grid): There are 169 empty squares to fill in the table, and the completed table is worth 17 points. Count how many of the answers the student gets right, divide that by 10, and round to the nearest whole point. For example: a student gets 24 right. 24/10 = 2.4, which rounded becomes 2 points. Or, a student gets 85 right. 85/10 = 8.5, which rounds to 9 points.

Question	Max. points	Student score						
Multiplication Tables and Basic Division Facts								
1	17 points							
2	16 points							
3	16 points							
	subtotal	/ 49						
	ition and Sub	1						
	uding Word	Problems						
4	6 points							
5	6 points							
6	4 points							
7	4 points							
8	4 points							
9	3 points							
10	3 points							
11	4 points							
	subtotal	/ 34						
Multiplica	ation and Rel	ated Concepts						
12	1 point							
13	1 point							
14	3 points							
15	3 points							
16	1 point							
17	2 points							
18	1 point							
	subtotal	/ 12						
	Time							
19	8 points							
20	3 points							
	subtotal	/ 11						

Question	Max. points	Student score						
Graphs								
21a	1 point							
21b	1 point							
21c	1 point							
21d	2 points							
	subtotal	/ 5						
	Money							
22a	1 point							
22b	2 points							
22c	2 points							
23	2 points							
24	3 points							
subtotal / 10								
Place	e Value and l	Rounding						
25	2 points							
26	5 points							
27	4 points							
28	2 points							
29	8 points							
	subtotal	/ 21						
	Geometr	У						
30	5 points							
31	2 points							
32	4 points							
33	2 points							
34	2 points							
35	3 points							
	subtotal	/ 18						

Question	Max. points	Student score							
Measuring									
36	2 points								
37	2 points								
38	2 points								
39	6 points								
	subtotal	/ 12							
Divisio	on and Relate	d Concepts							
40	2 points								
41	6 points								
42	3 points								
43	2 points								
44	2 points								
	subtotal	/ 15							
	Fraction	S							
45	6 points								
46	3 points								
47	2 points								
48	3 points								
49	4 points								
50	2 points								
	subtotal	/ 20							
	TOTAL	/ 207							

1.													
×	0	1	2	3	4	5	6	7	8	9	10	11	12
0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6	7	8	9	10	11	12
2	0	2	4	6	8	10	12	14	16	18	20	22	24
3	0	3	6	9	12	15	18	21	24	27	30	33	36
4	0	4	8	12	16	20	24	28	32	36	40	44	48
5	0	5	10	15	20	25	30	35	40	45 54	50	55 66	60 72
6 7	0	6	12	18 21	24 28	30 25	36 42	42 40	48 56	54	60 70	66 77	72 84
7 9	0	7 8	14 16	21 24	28 32	35 40	42 48	49 56	56 64	63 72	70 80	77 88	84 96
8 9	0	8 9	16 18	24 27	32 36	40 45	48 54	56 63	64 72	72 81	80 90	88 99	96 108
9 10	0	9 10	20	27 30	30 40	43 50	60	63 70	80	81 90	90 100	99 110	108
11	0	11	20	33	40 44	55	66	77	88	99	110	121	120
11	0	12	22	36	48	60	72	84	96	108	120	132	144
12 0 12 24 30 48 00 72 84 90 108 120 132 144 2. a. 14, 24, 25, 36 b. 28, 40, 27, 35 c. 9, 16, 49, 32 d. 56, 30, 48, 54													
3. a. 7, 5, 8, 7 b. 8, 5, 11, 7 c. 9, 7, 4, 9 d. 10, 8, 3, 3 4. a. 310, 149 b. 620, 344 c. 148, 80													
	<i>,</i>				,				<i>,</i>)			
5. a.	33, 5		b. 6	543, 4	45		c. 1	5, 37	78				
6. a.	579.	To c	heck,	, add	579	+ 382	3 = 9	62 us	sing t	he gric	1. b.	2,476.	To ch
7. a.	7,153	3 b	o. 792	. No	te the	e ord	er of	opera	ations	s; the s	subtrac	tion is	done f
8. a.	\triangle	is 29	94. So	olve	by su	ıbtrac	cting	708 -	- 414	. b.	∕_i	s 824.	Solve
9. \$8	3												
10. 1	60 m	niles.	Note	e that	the ł	1alf-v	vav n	oint	is at	150 mi	iles. Tł	nev sto	pped a
											acting 8	2	
		-		58	U. 7 3	u ar	e ieit	. 501	ve by	subtra	ieting a	500 - (J 4 .
12.													
13. $5 \times 25 = 125$. You can solve it by adding repeatedly: $25 + 25 + 25 + 25 + 25 = 125$													
14. a	. 48	b. 2	20	c	41								
15. a. $7 \times 4 = 28$ legs b. $5 \times 2 = 10$ legs c. $8 \times 4 + 6 \times 2 = 44$ legs													
16.0	15. a. $7 \wedge 4 - 20$ legs b. $5 \times 2 = 10$ legs c. $8 \times 4 + 6 \times 2 = 44$ legs												

16. 8 tables, because $8 \times 4 = 32$, which is more than 31. Seven tables is not enough.

 $17.3 \times \$8 + 3 \times \$6 = \$42$

18. She needs 7 bags. (Because $7 \times 4 = 28$.)

19.

	a. 10:51	b. 2:34	c. 3:57	d. 5:38
10 min. later	11:01	2:44	4:07	5:48

20. a. 45 minutes b. 3:50 PM c. May 28th

21. a. 28 hours b. 12 hours c. 9 hours more d. 48 hours

22. a. \$25.54 b. \$9.10 c. \$12.70

23. a. \$2.90 b. \$0.55

24. **\$0.60.** (You can add 2.35 + 2.35 + 2.35 + 2.35 = 9.40 to find the total cost.)

25. a. 700 b. 2,000

27. u. 5,700, 0,000 0. 1,200, 7,000

 $28. \ a. \ 740 \qquad b. \ 990 \qquad c. \ 250 \qquad d. \ 670$

29.

a. Round the numbers, then add: 3, 782 + 2, 255 $\downarrow \qquad \downarrow$ 3,800 + 2,300 = 6,100	Calculate exactly:	$ \begin{array}{r} 3 7 8 2 \\ + 2 2 5 5 \\ \hline 6 0 3 7 \end{array} $
b. Round the numbers, then subtract: 8, 149 - 888 $\downarrow \qquad \downarrow$ 8,100 - 900 = 7,200	Calculate exactly:	

30. A - rectangle B - square C - rhombus D - rhombus G - rhombus Also, F is a parallelogram; however that is not studied in third grade.

31. Perimeter 22 units Area 24 square units or squares Note that the student should also give the "units" and "square units" or "squares", not just a plain number.

32. a. Part 1: 108 m² Part 2: 270 m² b. 96 m

Note that the student should also give the units "m²" and "m" in his or her answer, not just plain numbers.

33. 9 inches.

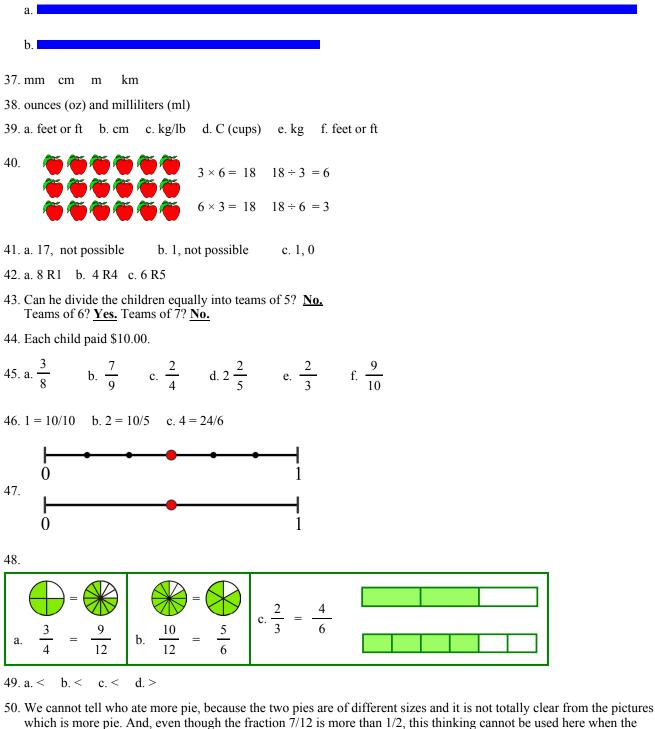
34. a. The sides of the rectangle could be 5 and 3, or 15 and 1. Some examples below:

b. The sides of the rectangle could be 1 and 4, or 2 and 3.

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35. $4 \times (2+5) = 4 \times 2 + 4 \times 5 = 28$ squares (or square units)

36. Check student's answers.



wholes are of different sizes.