

MONTHLETE WARATHON



GOING INTO 5TH GRADE

Each shaded rectangle represents a 30 minute session. Each section of the rectangle equals 10 minutes. Color the sections to keep track of your progress.

CAN YOU REACH THE FINISH LINE?

PARENT:		TAATZ
	8	
8	19	
24 24 34 34 34 34 34 34 34 34 34 34 34 34 34		
3	5	U 1
 18		
FINISH		
CLASSROOM		
		8

DEAR MATHLETES:

keep in shape and reach the finish line! A <u>marathon</u> is a long-distance race that is 26.2 miles long. An athlete must practice daily in order to

computations, problem solving... if it's MATH it counts® review in order to keep in shape for next year! Review ANYTHING that relates to math – basic facts, We would like you to compete in a **NATH NARATHON** this summer by completing <u>26+</u> sessions of math

your homeroom teacher in September! days you wish, and you may split up the sessions into shorter time periods. (We suggest that you spread your training evenly throughout the summer, each session lasting about 10 minutes.) Be sure to return the form to Use the marathon recording form to keep track of your time. You can complete the 26+ sessions any

Ideas for workout sessions:

- Summer Math Packet (available on ER's website)
- Flash cards
- Games: dice/cards/dominos/sidewalk chalk
- "XtraMath"
- ' iPod/iPad apps
- any summer workbook practice pages
- Exact Path
- Study Island
- Connected/EM4 Online Games
- Create your own worksheet

Grade level goals: (Basic Facts)

K into 1st:

- Addition facts within 10 (up to 5 + 5)
- 1st to 2nd:
- Addition and Subtraction facts within 20 (up to 10 + 10)

2nd into 3rd:

- Addition and Subtraction facts within 20
- Multiplication facts (x0, x1, x2, x5, and x10)

3rd into 4th:

Mixed Facts: +/- within 20 and x/+ within 100
 (Up to 10 + 10 and 10 X 10)

4th into 5th:

Mixed Facts: +/- within 20 and x/+ within 100



GOOD LUCK MATHLETES!



Name:

Class:

Date:

4th to 5th Grade Summer Practice

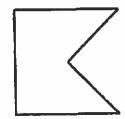
1. Add mentally.

2. Subtract mentally.

Name:	Class:	Date:
Tuttio.		

3. Identify the shapes that are NOT polygons.

a.



b.



c.



d.

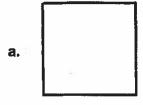


e.



4. There may be more than one correct name for the geometric figure.

Fill in the circle next to each correct name.





quadrangle

Square

O polygon

parallelogram

polygon

Square

O rhombus

rectangle

5. In the numeral 34,679 what does the 3 stand for? _____

- a. 30,000
- b. 300
- c. 30
- d. 3.000

6. The value of the digit 9 in 623,895 is _____.

7. Write ninety million, sixty thousand, seven using digits.

- a. 90,060,070
- b. 9,060,007 с. 90,600,007
- d. 90,060,007

8. Write 9,041,238 in words.

a. nine million, forty-one thousand, two hundred thirty-eight

b. nine thousand, forty-one million, two hundred thirty-eight

c. nine million, four thousand, two hundred thirty-eight

d. nine million, forty-one thousand, eight hundred thirty-two

9. Write >, <, or = to make the number sentence true.

2,700,000 27,000,000

10. Add mentally or with a paper-and-pencil algorithm.

1.827

504

Name:	Class:	Date:
IABING.		

11. Subtract mentally or with a paper-and-pencil algorithm.

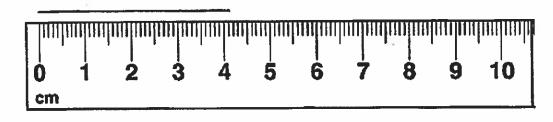
461 - 187

12. Make a ballpark estimate. Write a number model to show your strategy.

8,692 - 2,769

13. Mohammad asked Rachelle to measure the line segment to the nearest

¹/₂ centimeter. Which measure is the best?



a. $4\frac{1}{2}$ cm b. 3 cm c. 4 cm d. $3\frac{1}{2}$ cm

Name:	Class:	Date:
4th to 5th Grade Summer Practi	<u>ice</u>	
14. a. Draw a polygon with at	least two right angles. Mark the right angl	les with a square comer symbol.
b. Is the polygon you drew	a parallelogram?	
c. Explain.		100 m
/		
15. List all the factors of 30.		Ø. t
15. E.St all 610 100015 01 00.		
16. Which of the following are	NOT factor pairs of 54?	
a. 6×9		
b. 6×3		
c. 2×27		
d. 18×6		
e. 18×3		
f. 1×54		
g. 3×9		
k QVR		

Name	e:		Class:
4th t	o 5th Grade Sun	ımer Practice	
17.	Which numbers	are multiples of	4?
	a. 23		
	b. 57 46		
	c, 16 d, 28		
	a. 20 e. 24		
	e. 24 f. 35		74
		**	
	-		nber?
19.	Complete the "	What's My Rule?	" table and state the rule.
	Rule:		
	<u>in</u>	out	E.
	3	21	
	5	35	
	9		
		56	3 2
	7		
		42	
20	Fill in the miss	ing numbers and	state the rule.
	5	, 14,	, 20

Rule: __

Date:_

Name:	_ Class:	Date:
4th to 5th Grade Summer Practice		
21. Write >, <, or = to make each number sentence	ce true.	
a. 15+15 30		
b. 150 – 30 110		
c. 40+40 60+20		
22. Make a true sentence by filling in the missing	number.	¥
(15 - 6) * 8 =		
23. Divide mentally.		
270 / 3 =		
24. Make a true sentence by filling in the missing	number.	
(17-8)+21/7=		
25. Tickets to the school play cost \$4 for students tickets and 5 adult tickets for his family. How Use m to represent the money Carlos needs.	much money does he need	
Number model:		
How much money does Carlos need?	\$	
26. Write a number model and solve the number	story.	
The Williams family and the Liguzinski family family constructed Williams Pond Road betw had a length of 4,700 feet. The Liguzinski farmhouse to the pond in 1973. Liguzinski Pois Williams Pond Road than Liguzinski Pond	een their farmhouse and the mily constructed Liguzinski and Road had a length of 3	ne pond in 1968. The road Pond Road from their
Number model:		
Answer:ft		

,

Name:	Class:	Date:

27. Write an equivalent fraction, decimal, or whole number.

Decimal	Fraction
	37 100
0.8	
0.5	:
	<u>0</u> 9

28. Write >, <, or = to make the number sentence true.

0.97 _____ 0.98

29. Put these numbers in order from smallest to largest.

7.96, 0.97, 0.96, 6.97, 9.67

	(smallest)
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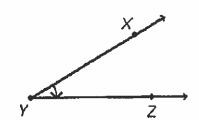
(largest)

me:	Class:	Date:
to 5th Grade Summer Practic	<u>ce</u>	
	in her savings account. She deposited \$ the new balance in her savings account	
\$		
Write what you did to find t	ne answer.	
		\$1
Write eight million, sevent	thousand, three using digits.	
. vente eight minon, seventy	alousanu, unee using uigits.	
	₩ #	
a. 8,070,030 b. 8,070,00	03 c. 80,070,003 d. 8,007,003	

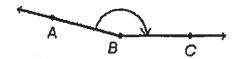
Name:	Class:	Date:
4th to 5th Grade Summer Practice		
32. Write 1,007,263 in words.		
		. <u></u>
a. one million, seven thousand, three		
b. one thousand, seven million, two		
c. one million, seven thousand, twod. one million, seventy thousand, tw		
33. Round to the nearest hundred thous	sand.	
431,946	_	
34. Round to the nearest ten.		
657,175		
35. Multiply. Use a paper-and-pencil al	gorithm.	
= 359 * 7		

3:				ilass:			Date:	
o 5th Grad	e Summer P	ractice		_		3/1		
Complete t	the "What's	My Rule?" table a	nd state	the rul	e.			
Rule:								
in	out							
5	450							
30	1					κ,		£
80	7,200							
	3,600							
900								
How many							s to eat at t	he local
	times as m	nuch						
Circle the	number clo	sest to the sum. V	Vrite a nu	ımberı	model for t	the estimate.	•	n.
312 + 956	6 + 618	1,10	1,	500	1,900	2,300		
Number n	nodel:							
Make a ba	allpark estin	nate. Write a numl	er mode	el to sh	ow your s	trategy.		
8,692 - 2	2,769							
		=						
			nd his si	x broth	ers decide	e to share the	em equally.	How many
Number r	nodel:		_		12			
Answer: _		crack	ers					
	o 5th Grad Complete in Fule: in 5 30 80 900 Dinner at a How many diner? Circle the 312 + 956 Number in Make a ba 8,692 - 2 There are whole crain	complete the "What's Rule: in out 5 450 30 80 7,200 3,600 900 Dinner at a famous re How many times as many	Complete the "What's My Rule?" table at Rule: in out 5 450 30 80 7,200 3,600 900 Dinner at a famous restaurant costs \$47 How many times as much does it cost to diner? times as much Circle the number closest to the sum. What is a ballpark estimate. Write a number such such such such such such such such	Complete the "What's My Rule?" table and state Rule: in out 5 450 30 80 7,200 3,600 900 Dinner at a famous restaurant costs \$42. Dinner How many times as much does it cost to eat at ordiner? times as much Circle the number closest to the sum. Write a number model: Make a ballpark estimate. Write a number model: There are 67 crackers in a box. Deon and his significant in the sum of t	Complete the "What's My Rule?" table and state the rule Rule: in out 5 450 30 80 7,200 3,600 900 Dinner at a famous restaurant costs \$42. Dinner at the How many times as much does it cost to eat at the familiar? times as much Circle the number closest to the sum. Write a number of the sum o	Complete the "What's My Rule?" table and state the rule. Rule: in out 5 450 30 80 7,200 3,600 900 Dinner at a famous restaurant costs \$42. Dinner at the local dine How many times as much does it cost to eat at the famous retaurdiner? times as much Circle the number closest to the sum. Write a number model for a 312 + 956 + 618 1,100 1,500 1,900 Number model: Make a ballpark estimate. Write a number model to show your standard to show you	Complete the "What's My Rule?" table and state the rule. Rule:	Complete the "What's My Rule?" table and state the rule. Rule:

Name:	Class:	Date:
4th to 5th Grade Summer Practice		
41. Tyree baked 66 muffins for a school breakfas muffins. How many plates were needed to hold	t. He put the muffins ld all of the muffins?	on plates. Each plate holds 8
Number model:		70
Answer: plates		
42. Next month a large group of students, teache The group includes 163 adults and 656 stude needed for the trip?	rs, and parents are nts. Each bus holds	going on a field trip to a museum. 50 people. How many buses are
Write a number model. Use b to represent the	e number of buses r	needed for the trip.
Number model:		
How many buses are needed?	1	
Explain:		
43. Determine whether ∠XYZ is acute, right, or	obtuse	
Find the measure of ∠XYZ:°		1



Name:	Class:	Date:



Measure of $\angle ABC = \underline{\hspace{1cm}}^{\circ}$.

45. Divide. Use a paper-and-pencil algorithm.

- a. 74 R3 b. 74 c. 74 R1 d. 75
- 46. For each fraction, write two equivalent fractions.
 - a. $\frac{1}{5}$

b. $\frac{1}{8}$

- c. $\frac{2}{4}$
- d. In part c, could the numerator of an equivalent fraction be less than 2? Explain your reasoning.

47. a. Write >, <, or = to make the number sentence true.

<u>5</u> <u>3</u> 4

b. Explain how you solved part a.

48. a. Shade the circles to show $\frac{13}{5}$.







Complete to make true number sentences.

b.
$$\frac{13}{5} = \frac{10}{5} + \frac{1}{5}$$

- c. $\frac{13}{5} = \frac{5}{5} + \frac{1}{5} + \frac{1}{5}$
- 49. Add.

$$2\frac{2}{3} + 4\frac{2}{3} =$$

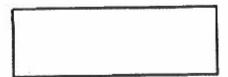
50. Subtract.

$$7\frac{4}{5} - 4\frac{3}{5} =$$

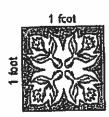
Name:	Class:	Date:
4th to 5th Grade Summer Practice		
51. Matt painted $\frac{1}{8}$ of a wall on Fridwall did he paint?	lay. On Saturday, he painted anoth	her $\frac{5}{8}$ of the wall. How much of the
of the wall 52. Patricia bought $\frac{7}{9}$ pound of gradoes she have now?	apes. Then she ate $\frac{2}{9}$ pound of the	m. How many pounds of grapes
pound of grapes		
53. Jamal had 30 quarters. He spe	ent $\frac{1}{5}$ of them on used books.	
How many quarters did he spe	end? quarters	
54. Mackenzie has 32 campaign b	puttons. She gives $\frac{1}{4}$ of them to Tra	wis and $\frac{3}{4}$ to Jack.
a. How many campaign buttor	ns does Travis get? cam	paign buttons
b. How many campaign button	ns does Jack get? camp	paign buttons
c. How many campaign buttor	ns does Mackenzie keep?	campaign buttons

Name:		
-	_	

55. Complete. Measure with a centimeter ruler.

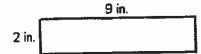


56. Mrs. Gomez wants to tile her kitchen floor. The room is 11 feet wide and 15 feet long. How many 1square-foot tiles does she need to cover the floor?



tiles

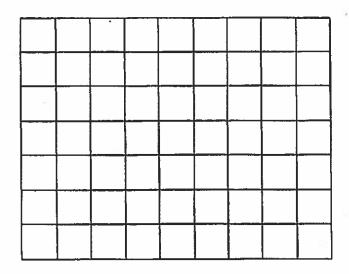
57. Find the area of the rectangle.



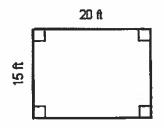
Area = _____

a. 18 in² b. 11 in² c. 11 in. d. 22 in.

58. Draw a rectangle with an area of 36 square centimeters.



59. Find the area and perimeter of the polygon. Write number models to show what you did to get the answers. Include the correct units.



Area = _____

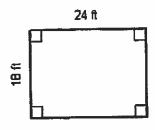
Number Model:

Perimeter = _____

Number Model:

Name:	 Class:	Date:

60. Find the area and perimeter of the polygon. Write number models to show what you did to get the answers. Include the correct units.



Area:	=	

Number Model:	

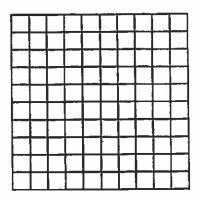
Number Model:	
---------------	--

61. Fill in the table of equivalent fractions, decimals, and percents.

Fraction	Decimal	Percent
7 10		
$\frac{1}{2}$		
		25%
3 4		
	0.4	
2/2		

Name:	Class:	Date:

62. Shade 40% of the grid below.



- a. What fraction of the grid did you shade? _____
- b. Write this fraction as a decimal.
- c. What percent of the grid is NOT shaded?
- 63. Name the shaded area as a decimal.

	-							
2	27,	E.	3	6	嗯			
3	2	1	X	3	劉			
14V 22V	×	15 15 15		题	竳	級		
	Š	逎	N.	8	B 3	Ÿ.		
d.	鹫	Ŕ	,	蕊	267 247	Chi		
15	뿐	劉	2	8	S.	變		
351	27	盘	选	易		製		
Parks.	1	3,	Ñ	1		繁		
4			66	18	凾	Ŕ		
- 6	菱	\$ A	*	引:	R	宛		

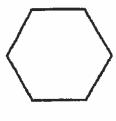
decimal:	
	Contractor of the Contractor o

64. Which drawings have a line of symmetry?

a.



Ь.



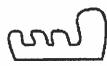
c.



d.



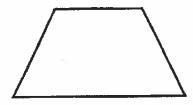
e.



f.



65. Use a straightedge to draw all lines of symmetry.



The figure has _____ line(s) of symmetry.

66. Something that weighs $\frac{7}{8}$ pound weighs _____ ounces.

Name:	Class:	Date:
4th to 5th Grade Summer Practice	198	
67. Tickets to the school play cost \$3 and 7 adult tickets for his family.	for students and \$5 for adults. Ali	needs to buy 6 student tickets
How much money does he need?	?	
Write a number model. Use m to	represent the money Ali needs.	
Number model:		
How much money does Ali need	? \$	15
68. Jocelyn talked on the phone an a minutes did Jocelyn spend on the	-	[.] 1 whole year. About how many
minutes		
a. 4,000		
ь. 360		
c. 400		
d. 2,00 0		
69. Fill in the missing fractions on the	a number line.	
0	1	
·	 '	
70. Stephanie read $\frac{1}{2}$ of a 248 page	hook Scott read 1 of a 116 page	a hook Did they read the same
4	~	s book. Did they read the same
number of pages? Explain why o	r wny not.	
		¥7.