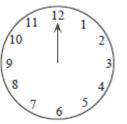
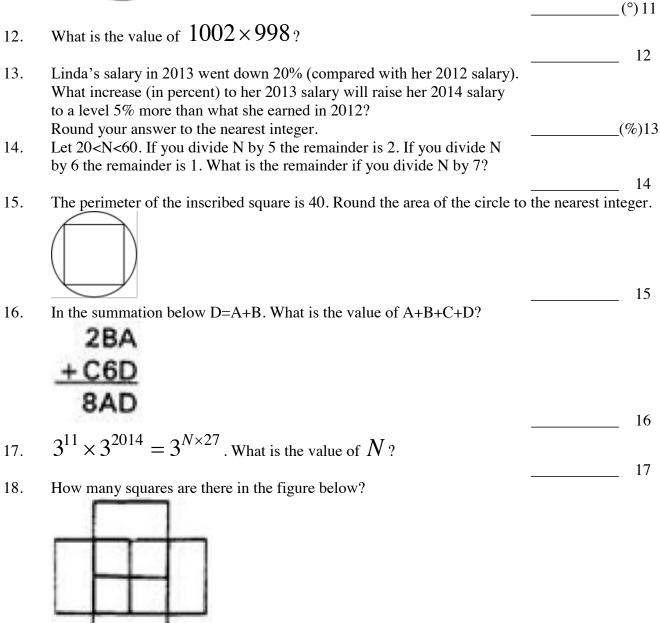
PIMS Elementary Grades Math Competition 03 May 2014 Sprint Round - Grade Five Division		NAME:SCHOOL:	
2.	What is the digit sum of 2014?		2
3.	The rectangle has sides 8 and 6. What is the	he value of its area?	2
4.	You bought a ticket to a hockey game at a How many dollars did you pay in total?	a cost of \$80 plus 5% tax.	3
5.	The right triangle below consists of 2 isos What is the value (in degrees) of the angle x 126°		(°) 5
6.	What is the sum of the three smallest prim	nes?	6
7.	Round 21% of 21 to the nearest integer.		7
8.	Every student in a class of 20 sent an e-mail of the class. How many e-mails were sent		8
9.	What fraction is 15% of 15% of 25?		9

Grade Five (5) Division

- 10. Round 0.2014×100 to the nearest whole number.
- 11. What is the acute angle (in degrees) between the hour hand and the minute hand at 3:30?





18

10

1 E' (7) D' · · · ~

Grade	Five (5) Division	
19. 20.	What is the smallest whole number N such that $5^N > 4000000?$ 19The measures of the sides of triangle A are 5cm, 5cm and 6cm.19The measures of the sides of triangle B are 5cm, 5cm and 8cm.20	
21. 22.	You traveled 4.725 km at a speed of 13.5 km/h. How many hours did you travel? Express your answer as a fraction(h)21 In how many ways can you walk from Point A to point B if you must walk along the directions marked by arrows?	
	A Y 22	
23.	Suppose that when a man is at point A (see the figure for Question 22), the probability that	
	he walks along any of the three paths is $\frac{1}{3}$. If he is at point X the probability that	
	he walks along any of the 2 paths is $\frac{1}{2}$. If he is at point Y, the probability that	
	he walks along any of the three paths is $\frac{1}{3}$. Two men walk independently from	
	point A to point B. What is the probability that both choose the same path? 23	
24.	In a club, the ratio of boys to girls was $\frac{13}{19}$. Then, 4 more boys joined the	
	club and now the new ratio is $\frac{5}{7}$. How many boys are now in the club? 24	
25.	ΔABC is equilateral with side 4. $AD = DB$, and ΔADF is equilateral.	
	What is the perimeter of $\Delta\!A\!E\!F$? Express your answer as $N+\sqrt{M}$	
	where N and M are positive whole numbers.	
	$B \qquad C \qquad 25$	

Find the sum of all prime factors of $3 \times 5 \times 2014$? 26. 26 _____