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b) What is the ratio of red marbles to the total?			
c) What is the ratio of red marbles to yellow marbles?			
9. The following recipe is for 2 d	ozen cookies.		
a) How many cups of flour will be needed to make 36 cookies?  b) How many eggs will be needed to make 12 cookies?  c) How much baking soda will be needed to make half a dozen cookies?  d) If I poured 6 cups of flour and 2 eggs into a bowl to make some cookies, how much unsalted butter would also be needed?			
	our <u>2</u> salt		
/ (7	aking soda cinnamon salted butter		
	nsalted butterbrown sugar		
	199°		
10. Joyce has 36 lollies and shared them with Lisa in the ratio of 4:5. Lisa got a larger share. How many lollies should Lisa get?			

8. Kelly has 45 marbles, 21 of them are blue and the remaining marbles are

a) What is the ratio of blue marbles to yellow marbles?

equal numbers of red and yellow.



## Speed & Accuracy on Total and Average

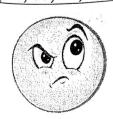
The average is calculated by adding up the figures given and then dividing by the total number of figures.

Time: 3 min, 37 sec,

Complete the table.

Find the total and the average.

Find	Set of Numbers	Total	Average
1.	2, 8	2 + 8 = 10	$10 \div 2 = \int$
<u> </u>	2, 0		2.0
2.	2, 8, 14	2 + 8 + 14 = 24	24 ÷ 3 = 8
4.	2, 0, 1		211:2
3.	5, 7, 12	5+7+12 = 24	24:3-8
J.	· /	0 11 12 26	30:3=10
4.	6, 11, 13	6+11+13 =30	3() = 3 - 10
		21.20125-01	81:3 =21
5.	21, 30, 30	21+30+30=81	01.
		O+43+90=135	135:3=45
6.	0, 45, 90	OF-131 10-105	2 -
_	15 (2 00	45-62+82=	189:3=63
7.	45, 62, 82		C172 77
8.	102 129 130	102 +128+130=	360 360 : 3 = 120
0.	102, 128, 130	+	(
9.	8, 29, 35, 40	8+29+35+40=112	112:4=28
-	0, 27, 33, 10		272:4=68
10.	92, 80, 38, 70	92+80+30+70=	212, 1-68



My Score:

/18



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### Speed and Accuracy on Time Units Conversion



Time: 2 minutes 5 seconds

My Score: /30

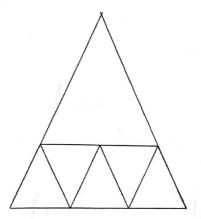
- 1. 2 days = 48 hours
- 2. 3 minutes =  $\frac{180}{2}$  seconds
- 3. 84 hours = \_\_\_\_ days
- 4. 28 days = Weeks
- 5. 120 seconds = 2 minutes
- 6. 42 days = 3 fortnights
- 7. half a day =  $\frac{12}{12}$  hours
- 8. 4 hours = 240 minutes
- 9. 2 fortnights =  $\frac{2}{3}$  days
- 10. 210 minutes =  $\frac{3.5}{10.5}$  hours
- 11. a leap year = 366 days
- 12. 30 minutes = \_\_\_\_\_\_ hour
- 13. 15 mins + 45 mins = \ hr
- 14. 36 hours = 1.5 days
- 16. 15 weeks x = 45 weeks

- 17. 20 x 5 seconds = 160 seconds
- 18. 55 mins ÷ 11 = \_\_\_\_ mins
- 19. half of 120 mins = \_\_\_\_ hour
- 20. ¼ of 8 days = \_\_\_\_ days
- 21. 2 weeks 2 days = 12 days
- 22. 46 hours + 120 mins = \_\_\_\_ days
- 23. 2 fortnights + 6 days = 34 days
- 24.  $120 \, \text{days} 29 \, \text{days} = 4 \, \text{days}$
- 25. 42 days ÷ 6 = \_\_\_\_\_ week
- 26. 1 year = <u>5</u> weeks
- 27.  $\frac{1}{3}$  of 1 hour =  $\frac{2}{3}$  minutes
- 28. 1/4 of 80 mins = 20 mins
- 29. a decade = \_\_\_\_ O years
- 30. a century = (60 years

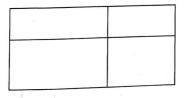


## GOUNTING Shapes

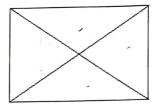
1. How many triangles are there in the shape below?



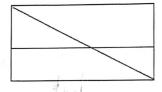
2. How many rectangles are there in the shape below? \_\_\_\_\_



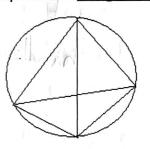
3. How many triangles are there in the shape below?



4. How many triangles are there in the shape below?



5. How many triangles are there in the shape below?



#### Complete this table. The first entry has been done for you.

( ·
R
1
The state of the s

Animal	Home	Air/Land/Water	
otter	holt/lodge	land and water	
Spider	web	land and water	
beaver	lodge	land	
hare	form	Land	
-fox	den/lair	land	
horse	stable	land	
bat	cave	air/land	
ant	hill	land	
bawk	eyrie	air	
mole	burrow	land	



### ANIMAL HOMES,



Con	nplete the following analogies.	
1.	Cattle is to barn as <u>dog /cat</u> is to kennel.	
2	Lion is to pride as pig is	to sty.
2	hacce is to stable as hat	is to cave.
	as mole is to busso	$\omega_{}$ .
	as coop is to Chick	<u></u> .
	couldet as sauther	
	is to sheep as sett is to	
	is to hill as hear is to	
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
10	Cat is to <u>kennel</u> as <u>offer</u> mole is to fortress as <u>offer</u>	_ 15 10 11011.
	Draw what lives in a sty.	
	Draw what lives in a sign	

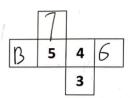


# Spatial Reasoning: Dice Nets



In the following questions, use the information on the left to fill in the gaps on the nets of the dice.

The 3 is opposite of the 7.The 5 is opposite of the 6.The 4 is opposite of the B.



The Y is opposite of the 2.The 8 is opposite of the S.The 3 is opposite of the 9.

11	Y		
9	8	3	S
2			

The A is opposite of the E.
The 7 is opposite of the M.
The 0 is opposite of the G.

4	1 10		0
6	7	Α	M
			6

The R is opposite of the 6.The 5 is opposite of the 1.The K is opposite of the 3.

