

	Amount (A)	Percentage (P%)	P% of A	A increased by P%	A decreased by P%
1.	320	10 %	32	352	288
2.	320	25 %			
3.	320	2.5 %			
4.	320	1.25 %			
5.	80	1.25 %			
6.	400	1.25 %			
7.	125		5		
8.		4 %	10		
9.	250		20		
10.	625	16 %			
11.	1859	16 %			
12.	1234	16 %			
13.	609		97.44		
14.	84			97.44	
15.	116				97.44
16.	116	160 %			
17.	116				-116
18.	348	66 $\frac{2}{3}$ %			

	Amount (A)	Percentage (P%)	P% of A	A increased by P%	A decreased by P%
19.		10 %		88	
20.	80		12		
21.		80 %	12		
22.			12	52	
23.			12		48
24.			12		-2
25.		5 %	12		
26.			12	13	
27.	10			13	
28.		25 %		13	
29.				13	12
30.	15				12
31.		25 %			12
32.			68		12
33.				468	12
34.		97.5 %			12
35.		2.5 %			468
36.				328	312

	Amount (A)	Percentage (P%)	P% of A	A increased by P%	A decreased by P%
1.	320	10 %	32	352	288
2.	320	25 %	80	400	240
3.	320	2.5 %	8	328	312
4.	320	1.25 %	4	324	316
5.	80	1.25 %	1	81	79
6.	400	1.25 %	5	405	395
7.	125	4 %	5	130	120
8.	250	4 %	10	260	240
9.	250	8 %	20	270	230
10.	625	16 %	100	725	525
11.	1859	16 %	297.44	2156.44	1561.56
12.	1234	16 %	197.44	1431.44	1036.56
13.	609	16 %	97.44	706.44	511.56
14.	84	16 %	13.44	97.44	70.56
15.	116	16 %	18.56	134.56	97.44
16.	116	160 %	185.6	301.6	-69.6
17.	116	200 %	232	348	-116
18.	348	66⅔ %	232	580	116

	Amount (A)	Percentage (P%)	P% of A	A increased by P%	A decreased by P%
19.	80	10 %	8	88	72
20.	80	15 %	12	92	68
21.	15	80 %	12	27	3
22.	40	30 %	12	52	28
23.	60	20 %	12	72	48
24.	10	120 %	12	22	-2
25.	240	5 %	12	252	228
26.	1	1200 %	12	13	-11
27.	10	30 %	3	13	7
28.	10.4	25 %	2.6	13	7.8
29.	12.5	4 %	0.5	13	12
30.	15	20 %	3	18	12
31.	16	25 %	4	20	12
32.	80	85 %	68	148	12
33.	240	95 %	228	468	12
34.	480	97.5 %	468	948	12
35.	480	2.5 %	12	492	468
36.	320	2.5 %	8	328	312

	Amount (A)	Percentage (P%)	P% of A	A increased by P%	A decreased by P%
1.		64 %	377 856		
2.		64 %		377 856	
3.		64 %			377 856
4.		42 %			
5.		42 %			
6.		42 %			
7.			313 344		
8.				313 344	
9.					313 344
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					

- a) Complete rows 1-3.  
Why was 377 856 chosen for those rows?
- b) What number could be used in rows 4-6 to have the same effect?  
Use that number to complete those rows.
- c) What percentage could be used in rows 7-9 to have the same effect?  
Use that percentage to complete those rows.
- d) Find composite numbers for **A** and **P** such that **P% of A** is a prime number.  
Use such pairs to complete rows 10-12.
- e) Find composite numbers for **A** and **P** such that **A increased by P%** is a prime number.  
Use such pairs to complete rows 13-15.
- f) Find composite numbers for **A** and **P** such that **A decreased by P%** is a prime number.  
Use such pairs to complete rows 16-18.