

## Answers

1)

Type	Size	Type	Size
char		unsigned char	
short int		unsigned short int	
int		unsigned int	
long int		unsigned long int	
long long		unsigned long long	
float		double	
char*		long*	

2a)

Original number	Original (in 16-bit binary)	short (decimal)	unsigned short (in decimal)
45			
150			
-150			
300			
-1			
65535			

2b)

Original number	Original in 16-bit binary	Cast to char (decimal and 8-bit binary)	From char to short (decimal & 16-bit binary)	From char to unsigned short (decimal and 16-bit binary)
45				
150				
-150				
300				
-1				
65535				

2c)

Original number	Original in 16-bit binary	Cast to unsigned char (decimal and 8-bit binary)	From unsigned char to short (decimal and 16-bit binary)	From unsigned char to unsigned short (decimal and 16-bit binary)
45				
150				
-150				
300				
-1				
65535				

3) Dates of Easter:

Date	Month/Day
2018	
2019	
2020	
2021	
2022	
2023	
2024	