**Worksheet 21.1**

**Base Conversions**

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# 1. Convert 101 011 1112 to \_\_\_\_\_\_\_\_\_\_\_8

# 2. Convert 1101 0100 10102 to \_\_\_\_\_\_\_\_\_\_\_16

# 3. Convert 2AE16 to \_\_\_\_\_\_\_\_\_\_\_10

# 4. Convert 1001012 to \_\_\_\_\_\_\_\_\_\_\_10

# 5. Convert 36278 to \_\_\_\_\_\_\_\_\_\_\_2

# 6. Convert F12E16 to \_\_\_\_\_\_\_\_\_\_\_2

# 7. Convert 422358 to \_\_\_\_\_\_\_\_\_\_\_10

# 8. Convert FFE16 to \_\_\_\_\_\_\_\_\_\_\_10

# 9. Convert 624 to \_\_\_\_\_\_\_\_\_\_\_2

# 10. Convert 4481 to \_\_\_\_\_\_\_\_\_\_\_8

# 11. Convert 3719 to \_\_\_\_\_\_\_\_\_\_\_16

# 12. Add the two binary numbers 0000 0000 0001 1011 and 0000 0000 0001 0101 together and convert the sum back to base 10.