**Factoring Expressions**

Routine:

Students can do this individually or in pairs.

Each student/pair will receive an envelope/baggie of the cards.

Students will compile 6 different groups. Each group will have 3 cards (expression, gcf, factored expression)

Teacher Prep: Run the sets of cards off on different colored paper (so you will need 3 different colors)  
For a class set you will need about 30 sets  
for Partners you will need about 15 sets.

Cut sets out and put pieces in baggies

The following pages of the document are for making your sets:

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| **GCF = 4** | **GCF = 8** |
| **GCF = 2** | **GCF = 20** |
| **GCF = 5** | **GCF= 10** |

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| **GCF = 4** | **GCF = 8** |
| **GCF = 2** | **GCF = 20** |
| **GCF = 5** | **GCF= 10** |

|  |  |
| --- | --- |
| **4(3x+4)** | **8(2x+3)** |
| **2(5x-8)** | **10(4x+10)** |
| **5(6x-9)** | **10(5x-80)** |

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| **4(3x+4)** | **8(2x+3)** |
| **2(5x-8)** | **10(4x+10)** |
| **5(6x-9)** | **10(5x-80)** |

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| **12x + 16** | **16x + 24** |
| **10x - 8** | **40x + 100** |
| **30x- 45** | **50x - 80** |

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| **12x + 16** | **16x + 24** |
| **10x - 8** | **40x + 100** |
| **30x- 45** | **50x - 80** |