Partial Differences - Table of Contents

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“Subtracting should be quickly done, partial differences are fast and fun!”

1) \(36 - 11 = \underline{20} + \underline{5} = \underline{25}\)  

2) \(53 - 22 = \underline{31} + \underline{1} = \underline{32}\)

3) \(67 - 32 = \underline{35} + \underline{15} = \underline{50}\)

4) \(45 - 43 = \underline{2} + \underline{2} = \underline{4}\)

5) \(67 - 12 = \underline{55} + \underline{1} = \underline{56}\)

6) \(52 - 41 = \underline{11} + \underline{1} = \underline{12}\)

7) \(54 - 33 = \underline{21} + \underline{11} = \underline{32}\)

8) \(24 - 21 = \underline{3} + \underline{2} = \underline{5}\)
“Subtracting should be quickly done, partial differences are fast and fun!”

1) \[45 - 11 = \boxed{30} + \boxed{4} = \boxed{34}\]

2) \[76 - 32 = \boxed{40} + \boxed{\_} = \boxed{\_}\]

3) \[85 - 54 = \boxed{\_} + \boxed{1} = \boxed{\_}\]

4) \[43 - 23 = \boxed{20} + \boxed{\_} = \boxed{\_}\]

5) \[48 - 22 = \boxed{\_} + \boxed{6} = \boxed{\_}\]

6) \[65 - 51 = \boxed{10} + \boxed{\_} = \boxed{\_}\]

7) \[29 - 13 = \boxed{\_} + \boxed{6} = \boxed{\_}\]

8) \[36 - 31 = \boxed{0} + \boxed{\_} = \boxed{\_}\]
“Subtracting should be quickly done, partial differences are fast and fun!”

1) \[63 - 21 = \boxed{40} + \boxed{2} = \boxed{42}\]

2) \[36 - 12 = \boxed{24} + \boxed{4} = \boxed{28}\]

3) \[45 - 34 = \boxed{10} + \boxed{10} = \boxed{24}\]

4) \[53 - 21 = \boxed{30} + \boxed{2} = \boxed{32}\]

5) \[38 - 26 = \boxed{10} + \boxed{10} = \boxed{20}\]

6) \[75 - 42 = \boxed{30} + \boxed{3} = \boxed{33}\]

7) \[69 - 13 = \boxed{50} + \boxed{10} = \boxed{60}\]

8) \[26 - 12 = \boxed{14} + \boxed{4} = \boxed{18}\]
“Subtracting should be quickly done, partial differences are fast and fun!”

1) \[ 73 - 23 = \underline{50} + 0 = 50 \]

2) \[ 36 - 32 = \underline{0} + \underline{} = \underline{} \]

3) \[ 58 - 14 = \underline{} + 4 = \underline{} \]

4) \[ 67 - 21 = \underline{40} + \underline{} = \underline{} \]

5) \[ 36 - 25 = \underline{10} + \underline{} = \underline{} \]

6) \[ 29 - 16 = \underline{} + 3 = \underline{} \]

7) \[ 54 - 33 = \underline{20} + \underline{} = \underline{} \]

8) \[ 73 - 21 = \underline{} + 2 = \underline{} \]
“Subtracting should be quickly done, partial differences are fast and fun!”

1) \[36 - 11 = \underline{\phantom{00}} + \underline{\phantom{0}} = \phantom{100}\]

2) \[53 - 22 = \underline{\phantom{00}} + \underline{\phantom{0}} = \phantom{100}\]

3) \[67 - 32 = \underline{\phantom{00}} + \underline{\phantom{0}} = \phantom{100}\]

4) \[45 - 43 = \underline{\phantom{00}} + \underline{\phantom{0}} = \phantom{100}\]

5) \[67 - 12 = \underline{\phantom{00}} + \underline{\phantom{0}} = \phantom{100}\]

6) \[52 - 41 = \underline{\phantom{00}} + \underline{\phantom{0}} = \phantom{100}\]

7) \[54 - 33 = \underline{\phantom{00}} + \underline{\phantom{0}} = \phantom{100}\]

8) \[24 - 21 = \underline{\phantom{00}} + \underline{\phantom{0}} = \phantom{100}\]
“Subtracting should be quickly done, partial differences are fast and fun!”

1) \[45 - 11 = \quad + \quad = \]

2) \[76 - 32 = \quad + \quad = \]

3) \[85 - 54 = \quad + \quad = \]

4) \[43 - 23 = \quad + \quad = \]

5) \[48 - 22 = \quad + \quad = \]

6) \[65 - 51 = \quad + \quad = \]

7) \[29 - 13 = \quad + \quad = \]

8) \[36 - 31 = \quad + \quad = \]
“Subtracting should be quickly done, partial differences are fast and fun!”

1) $63 - 21 = \underline{\hspace{1cm}} + \underline{\hspace{1cm}} = \underline{\hspace{2cm}}$

2) $36 - 12 = \underline{\hspace{1cm}} + \underline{\hspace{1cm}} = \underline{\hspace{2cm}}$

3) $45 - 34 = \underline{\hspace{1cm}} + \underline{\hspace{1cm}} = \underline{\hspace{2cm}}$

4) $53 - 21 = \underline{\hspace{1cm}} + \underline{\hspace{1cm}} = \underline{\hspace{2cm}}$

5) $38 - 26 = \underline{\hspace{1cm}} + \underline{\hspace{1cm}} = \underline{\hspace{2cm}}$

6) $75 - 42 = \underline{\hspace{1cm}} + \underline{\hspace{1cm}} = \underline{\hspace{2cm}}$

7) $69 - 13 = \underline{\hspace{1cm}} + \underline{\hspace{1cm}} = \underline{\hspace{2cm}}$

8) $26 - 12 = \underline{\hspace{1cm}} + \underline{\hspace{1cm}} = \underline{\hspace{2cm}}
“Subtracting should be quickly done, partial differences are fast and fun!”

1) 73 - 23 = ____ + ____ = 

2) 36 - 32 = ____ + ____ = 

3) 58 - 14 = ____ + ____ = 

4) 67 - 21 = ____ + ____ = 

5) 36 - 25 = ____ + ____ = 

6) 29 - 16 = ____ + ____ = 

7) 54 - 33 = ____ + ____ = 

8) 73 - 21 = ____ + ____ = 

Strategy: Partial Differences
Worksheet: 8-Mental Math
“Subtracting should be quickly done, partial differences are fast and fun!”

1) \(36 - 11 = \)

2) \(53 - 22 = \)

3) \(67 - 32 = \)

4) \(45 - 43 = \)

5) \(67 - 12 = \)

6) \(52 - 41 = \)

7) \(54 - 33 = \)

8) \(24 - 21 = \)
“Subtracting should be quickly done, partial differences are fast and fun!”

1) $45 - 11 = \boxed{34}$

2) $76 - 32 = \boxed{44}$

3) $85 - 54 = \boxed{31}$

4) $43 - 23 = \boxed{20}$

5) $48 - 22 = \boxed{26}$

6) $65 - 51 = \boxed{14}$

7) $29 - 13 = \boxed{16}$

8) $36 - 31 = \boxed{5}$
“Subtracting should be quickly done, partial differences are fast and fun!”

1) \( 63 - 21 = \) 
2) \( 36 - 12 = \) 
3) \( 45 - 34 = \) 
4) \( 53 - 21 = \) 
5) \( 38 - 26 = \) 
6) \( 75 - 42 = \) 
7) \( 69 - 13 = \) 
8) \( 26 - 12 = \)
"Subtracting should be quickly done, partial differences are fast and fun!"

1) 73 - 23 =

2) 36 - 32 =

3) 58 - 14 =

4) 67 - 21 =

5) 36 - 25 =

6) 29 - 16 =

7) 54 - 33 =

8) 73 - 21 =
“Subtracting should be quickly done, partial differences are fast and fun!”

1) sixty-five - twenty-two =  

2) fifty-three - thirty-one =  

3) eighty-seven - thirty-three =  

4) seventy-six - forty-four =  

5) ninety-eight - sixty-two =  

6) fifty-seven - twelve =  

7) thirty-three - twenty-two =  

8) forty-four - twenty-one =  

"Subtracting should be quickly done, partial differences are fast and fun!"

1) fifty-seven - thirty-four = 

2) thirty-six - twenty-one = 

3) sixty-five - twenty-five = 

4) eighteen - sixteen = 

5) forty-eight - twenty-six = 

6) sixty-three - forty-one = 

7) seventy-five - eleven = 

8) ninety-four - twenty-two =
“Subtracting should be quickly done, partial differences are fast and fun!”

1) twenty-six - thirteen =  

2) forty-eight - twenty-one =  

3) thirty-five - twenty-four =  

4) ninety-seven - thirty-two =  

5) sixty-eight - thirty-five =  

6) fifty-four - twenty-two =  

7) twenty-eight - sixteen =  

8) thirty-six - twenty-two =  
“Subtracting should be quickly done, partial differences are fast and fun!”

1) sixty-five - twelve = 
2) eighty-five - twenty-four = 
3) thirty-five - twenty-one = 
4) forty-six - thirty-two = 
5) sixty-seven - forty-three = 
6) seventy-six - fifteen = 
7) thirty-five - twenty-three = 
8) ninety-two - eleven = 

Name: ___________________________  Strategy: Partial Differences  Worksheet: 16-Assessment