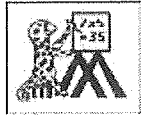


# FACTOR TREE WORKSHEET 1

Fill in the missing numbers in these prime factor trees with prime factors in the circles. Then complete the prime factorization product underneath.

<p>1)</p> <p>15 = ___ x ___</p>	<p>2)</p> <p>14 = ___ x ___</p>	<p>3)</p> <p>33 = ___ x ___</p>
<p>4)</p> <p>12 = ___ x ___ x ___</p>	<p>5)</p> <p>30 = ___ x ___ x ___</p>	<p>6)</p> <p>27 = ___ x ___ x ___</p>
<p>7)</p> <p>20 = ___ x ___ x ___</p>	<p>8)</p> <p>28 = ___ x ___ x ___</p>	<p>9)</p> <p>45 = ___ x ___ x ___</p>



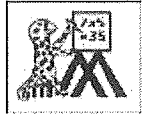
## FACTOR TREE WORKSHEET 2

Fill in the missing numbers in these prime factor trees with prime factors in the circles. Then complete the prime factorization product underneath.

<p>1)</p> <p>26 = ___ x ___</p>	<p>2)</p> <p>21 = ___ x ___</p>	<p>3)</p> <p>55 = ___ x ___</p>
<p>4)</p> <p>42 = ___ x ___ x ___</p>	<p>5)</p> <p>70 = ___ x ___ x ___</p>	<p>6)</p> <p>66 = ___ x ___ x ___</p>
<p>7)</p> <p>50 = ___ x ___ x ___</p>	<p>8)</p> <p>75 = ___ x ___ x ___</p>	<p>9)</p> <p>63 = ___ x ___ x ___</p>

Name \_\_\_\_\_

Date \_\_\_\_\_



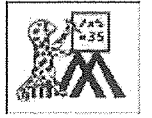
# FACTOR TREE WORKSHEET 3

Fill in the missing numbers in these prime factor trees with prime factors in the circles. Then complete the prime factorization product underneath.

1)  $77 = \_ \times \_$	2)  $65 = \_ \times \_$	3)  $69 = \_ \times \_$
4)  $52 = \_ \times \_ \times \_$	5)  $99 = \_ \times \_ \times \_$	6)  $105 = \_ \times \_ \times \_$
7)  $110 = \_ \times \_ \times \_$	8)  $98 = \_ \times \_ \times \_$	9)  $102 = \_ \times \_ \times \_$

Name \_\_\_\_\_

Date \_\_\_\_\_



# FACTOR TREE WORKSHEET 4

1) Show two different ways to draw a factor tree for 36.

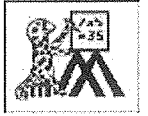
<pre>graph TD; A[36] --- B[ ]; A --- C[ ]; B --- D(( )); B --- E(( )); C --- F(( )); C --- G(( ))</pre>	<pre>graph TD; A[36] --- B(( )); A --- C[ ]; C --- D(( )); C --- E[ ]; E --- F(( )); E --- G(( ))</pre>
$36 = \_ \times \_ \times \_ \times \_$	$36 = \_ \times \_ \times \_ \times \_$

2) Show two different ways to draw a factor tree for 60.

<pre>graph TD; A[60] --- B[ ]; A --- C[ ]; B --- D(( )); B --- E(( )); C --- F(( )); C --- G(( ))</pre>	<pre>graph TD; A[60] --- B(( )); A --- C[ ]; C --- D(( )); C --- E[ ]; E --- F(( )); E --- G(( ))</pre>
$60 = \_ \times \_ \times \_ \times \_$	$60 = \_ \times \_ \times \_ \times \_$

Name \_\_\_\_\_

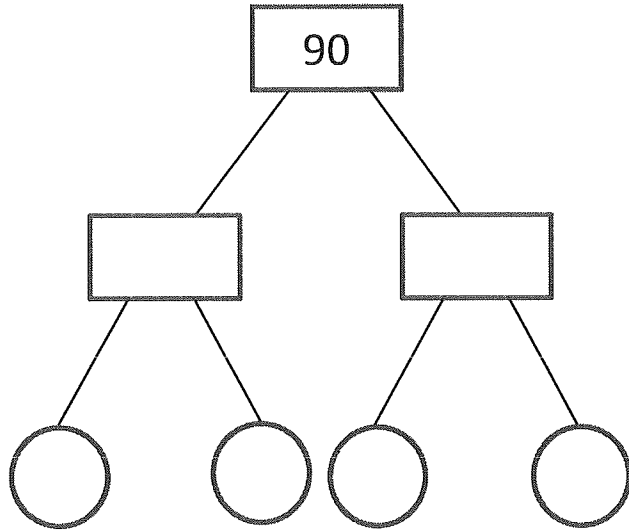
Date \_\_\_\_\_



# FACTOR TREE WORKSHEET 5

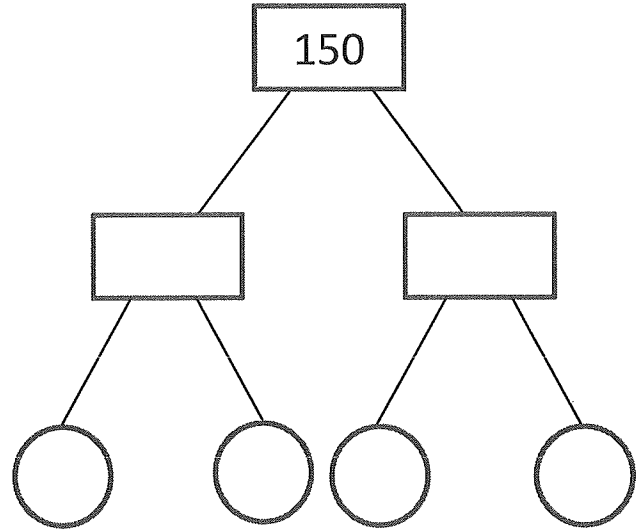
Fill in the missing numbers of these factor trees.

1)



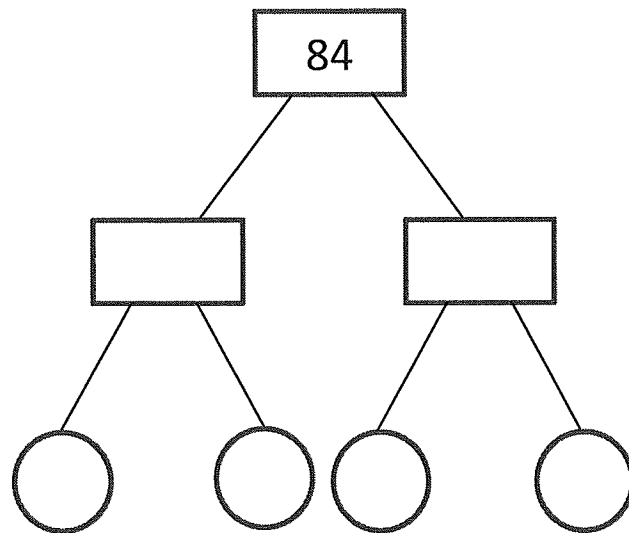
$$90 = \_ \times \_ \times \_ \times \_$$

2)



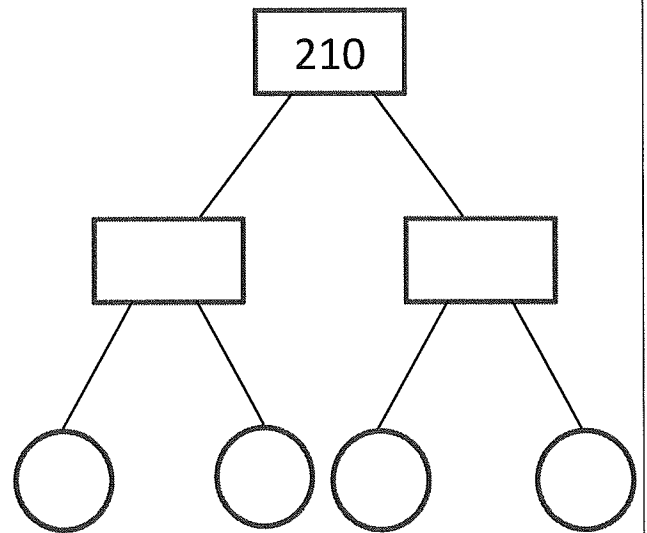
$$150 = \_ \times \_ \times \_ \times \_$$

3)



$$84 = \_ \times \_ \times \_ \times \_$$

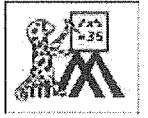
4)



$$210 = \_ \times \_ \times \_ \times \_$$

Name \_\_\_\_\_

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# FACTOR TREE WORKSHEET 6

Draw the factor trees and complete the prime factor product.

1)

68

$$68 = \_ \times \_ \times \_$$

2)

104

$$104 = \_ \times \_ \times \_ \times \_$$

3)

78

$$78 = \_ \times \_ \times \_$$

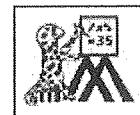
4)

225

$$225 = \_ \times \_ \times \_ \times \_$$

Name \_\_\_\_\_

Date \_\_\_\_\_



# FACTOR TREE WORKSHEET 7

Draw the factor trees and complete the prime factor product.

1)

105

$$105 = \_ \times \_ \times \_$$

2)

102

$$102 = \_ \times \_ \times \_ \times \_$$

3)

135

$$135 = \_ \times \_ \times \_$$

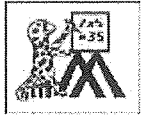
4)

250

$$250 = \_ \times \_ \times \_ \times \_$$

Name \_\_\_\_\_

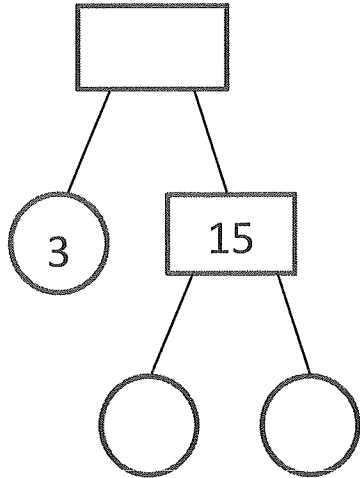
Date \_\_\_\_\_



# FACTOR TREE WORKSHEET 8

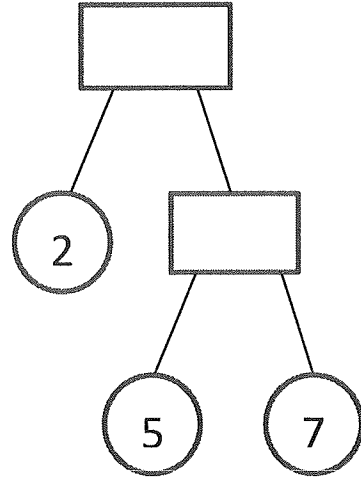
Complete the factor trees and fill in the prime factor product.

1)



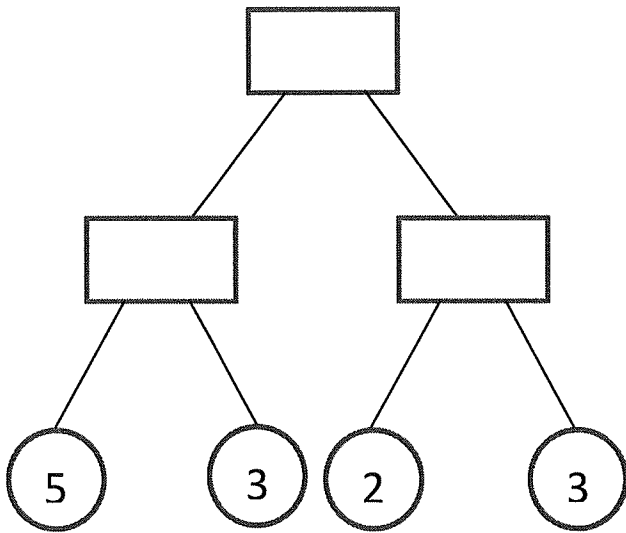
\_\_\_\_\_ = \_\_\_ x \_\_\_ x \_\_\_

2)



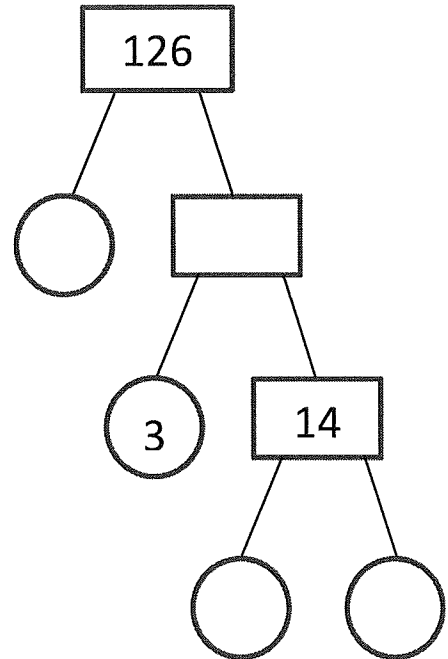
\_\_\_\_\_ = \_\_\_ x \_\_\_ x \_\_\_

3)



\_\_\_\_\_ = \_\_\_ x \_\_\_ x \_\_\_ x \_\_\_

4)



\_\_\_\_\_ = \_\_\_ x \_\_\_ x \_\_\_ x \_\_\_