| К. І | | | | |
|------|---|---|---|--|
| IN | a | m | е | |

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| | nbers | | יקוווכ | osite | | | | Ŀ | ybo | |
|--|---|---|---|--|---|--|---------------------------------------|-----------------------------------|--------------------------|---|
| As yo | u work | throu | gh the | e tutor | ial, coı | nplete | the fo | ollowin | ıg. | |
| 1. W | nat is yo | ur missi | on for | this less | on? | | | | | Key Words: |
| 2. The equ | e Multipl uals that | ication l numbei | Propert r. | y of 1 s | tates the | at | times | s any ni | _ umber | Prime number Composite num Divisible Factor Factor pairs Factor tree |
| 3. The | e numbe | r 1 has | | and | as c | ı factor | pair. | | | Learning |
| The 4. The | eretore, e numbe | 1 has oi r 4 has | nly | tacto | or. and two | pairs o | of facto | rs: | | Identify the p numbers less than 50. |
| | × | and | d | _ × | | 1 (| | | | • Determine the prime factors |
| 5. All fac | whole n tors. | umbers | greate | r than 1 | have a | at least . | | _ differe | ent | a number. |
| | | mbor is | a num | ber tha | t has ex | actly _ | | differe | nt | |
| 6. А _I fac | tors, | ai | nd | | · | | | | | |
| 6. A for a | tors, nat are t | he prim | nd e numk | pers bet | ween 1 | and 12 | ? | | | |
| 6. A I fac 7. Wł | nat are t | he prim | nd e numk , _ | bers bet | ween 1 and | and 12 | ? | | | |
| A fac fac Wi Wi B. Dra squ arc | nat are t nat are t aw a cira uare aro ound ead | he prim he prim cle arou und eac h prime | nd e numk / - nd eac h numl e numb | bers bet , h numb ber that er. | ween 1 and er that l has 3 c | and 12 has 2 a as a fac | ? s a fact tor. Drc | or. Drav ıw a tric | w a angle | |
| A fac fac Wł B. Dra squ arc 1 | tors, nat are t / aw a cira uare aro ound ead 2 | he prim he prim cle arou und eac h prime 3 | nd e numk / - nd eac h numl e numb 4 | bers bet , h numb ber that er. 5 | ween 1 and er that 1 has 3 c | and 12 has 2 a as a fac 7 | r? s a fact tor. Drc 8 | or. Drav ıw a tric 9 | w a angle 10 | |
| A F fac W W W Squ arc 1 | nat are t nat are t aw a cira pare aro pund ead 2 1 2 | he prim he prim cle arou und eac ch prime 3 1 3 | nd e numk / - nd eac h numl e numb 4 1 4 | pers bet , h numb per that er. 5 1 5 | ween 1 and er that 1 has 3 c 6 1 6 | and 12 has 2 a as a fac 7 17 | ? s a fact tor. Dro 8 1 8 | or. Drav ıw a tric 9 1 9 | w a angle 10 20 | |

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| Name | Date | |
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| | Student Logbool | \bigcirc |
| 9. | List the numbers from 1 to 30 that have both 2 and 3 as factors. | |
| 10. | What are the prime numbers between 30 and 50? | |
| 11. | A number is a counting number greater than 1 that is not prime. | |
| 12. | The number 1 is neither nor It is the only counting number with just factor. | |
| 13. | Every composite number is the product of two or more | \bigcirc |
| 14. | Complete these factor trees to show the prime factors of 16. 16 4×4 $- \times - \times$ | |
| 15. | Rewrite 100 as a product of its prime factors. | |
| 16. | True or False: By looking at the factors of a number, you can tell whether it is a prime or a composite number. | ■ Riverdeep, Inc. |
| | Destination Math | |

Name

COURSE: **MSC III** MODULE 1: **Numbers and Number Sense** UNIT 1: **Numbers as Factors**

Prime and Composite Numbers



 List all the factor pairs for each of the numbers in the table. Then give the number of different factors for each number, and tell if the number is prime (P) or composite (C).

| | Factor Pairs | Number of Factors | Prime or Composite |
|----|--------------|----------------------|-----------------------|
| 11 | | | |
| 12 | | | |
| 13 | | | |
| 14 | | | |
| 15 | | | |
| 16 | | | |
| 17 | | | |
| 18 | | | |
| 19 | | | |
| 20 | | | |



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| 4. Why is the set of prime factor trees? | tors of the number 45 the same in both |
| 5. a. Complete these two facto | or trees for 48. |
| | |
| b. Write 48 as the produc | t of its prime factors |
| 6. List the factors of 36. Then numbers. | sort the factors into prime and composite |
| Factors of 36: | © Riverdeep |
| Prime Factors | Composite Factors |
| | |