

Master Maths 7 Worksheet 5

Divisibility and Prime Numbers

5

Name: _____

1. Use the tests for divisibility to complete the table below by ticking the boxes to indicate which of the numbers at the top are factors of the numbers shown. One row is completed as an example.

	2	3	4	5	6	8	9	10
8880	✓	✓	✓	✓	✓	✓		✓
3942								
32 160								
44 280								
51 840								
2136								
36 720								

2. From the numbers below, circle the *two* that are prime numbers.

352
349
571
505
387
531
300
459

3. Complete the factor tree for each of the following numbers.

1764

9000

4. Write the two numbers from question 3 as products of their prime factors.

(a) $1764 =$ _____

(b) $9000 =$ _____

5. (a) Unscramble the letters of the phrase below to spell the name given to a number that is not a prime number.

MICE UP TROMBONES

- (b) Unscramble the letters of the phrases below to find terms from this worksheet.

NUMB PREMIER

CARROT FEET

VIII TIDY LIBS
