

## All Factors, multiples and primes

Name \_\_\_\_\_

Find factors of a number.

Page 1 of 2

- 1** Circle all the factors of 24.  
Circle each one.

8   14   15   4   9   10

2

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

- 2** Circle all the factors of 36.  
Circle each one.

10   3   15   6   4   8

7   5

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

- 3** Circle all the factors of 30.  
Circle each one.

15   4   12   6   7   3

14

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

- 4** Circle all the factors of 40.  
Circle each one.

8   14   6   15   3   4

9   2

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

- 5** Circle all the factors of 18.  
Circle each one.

15   7   8   9   6   3

4   14

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

- 6** Circle all the factors of 12.  
Circle each one.

4   8   6   10   14   7

12

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

 Free to print and share. Posting it online? Please link to [www.tigersharkeducation.co.uk/resources](http://www.tigersharkeducation.co.uk/resources)

For adaptive SATs maths practice that targets each child's weak spots, try the  
**Tiger Shark Education Year 6 SATs Practice app**  
[www.tigersharkeducation.co.uk](http://www.tigersharkeducation.co.uk)

## All Factors, multiples and primes (continued)

Find factors of a number.

Page 2 of 2

**7** Circle all the factors of 16.

Circle each one.

2

9

8

6

3

4

7

5

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**8** Circle all the factors of 20.

Circle each one.

4

2

7

9

5

12

14

3

10

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**9** Circle all the factors of 12.

Circle each one.

8

10

6

12

2

3

9

7

5

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**10** Circle all the factors of 36.

Circle each one.

5

7

14

6

2

15

3

8

12

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**11** Circle all the factors of 24.

Circle each one.

14

10

4

2

9

15

12

7

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**12** Circle all the factors of 30.

Circle each one.

14

7

15

2

10

9

8

4

3

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Free to print and share. Posting it online? Please link to [www.tigersharkeducation.co.uk/resources](http://www.tigersharkeducation.co.uk/resources)

**For adaptive SATs maths practice that targets each child's weak spots, try the  
Tiger Shark Education Year 6 SATs Practice app**  
[www.tigersharkeducation.co.uk](http://www.tigersharkeducation.co.uk)

**Factors, multiples and primes: answers**

All sheet

**All** Find factors of a number.**1** 2, 4, 8**2** 3, 4, 6**3** 3, 6, 15**4** 2, 4, 8**5** 3, 6, 9**6** 4, 6, 12**7** 2, 4, 8**8** 2, 4, 5, 10**9** 2, 3, 6, 12**10** 2, 3, 6, 12**11** 2, 4, 12**12** 2, 3, 10, 15Free to print and share. Posting it online? Please link to [www.tigersharkeducation.co.uk/resources](http://www.tigersharkeducation.co.uk/resources)

**For adaptive SATs maths practice that targets each child's weak spots, try the  
Tiger Shark Education Year 6 SATs Practice app**  
[www.tigersharkeducation.co.uk](http://www.tigersharkeducation.co.uk)