



## **Practice with Prime Numbers**

Please choose the best answer to each of the following questions.

1. Which of these is not prime?

1

2

11

13

37

2. Which of these is prime?

1

2

4

9

10

3.  $2 \times 2 \times 3 \times 5$  can be written as  $2^2 \times 3 \times 5$ .

True

False

4. 1 is a prime number.

True

False

5. Choose the prime number.

4

5

None of the above

6.  $2^4 \times 3^2 \times 5^2 =$

144

360

3000

3600

7. All odd numbers are prime.

True

False

8. Choose the prime number.

2

4

298



9. What is the prime factorization of 100?

$$10 \times 10$$

$$4 \times 5 \times 5$$

$$1 \times 2 \times 5 \times 10$$

$$2 \times 2 \times 5 \times 5$$

10. What is the prime factorization of 98?

$$2 \times 49$$

$$2 \times 7 \times 7$$

$$1 \times 2 \times 7 \times 49$$

$$1 \times 2 \times 7 \times 7 \times 49 \times 98$$