



TEST PREP FOR SECTION A

Circle each correct answer.

1. Which is the standard form for 5^3 ?

Skill 4

- A 15 C 125
B 53 D 35

2. Which is the LCM of 24 and 36?

Skill 7

- F 4 H 12
G 72 J 144

3. Which is a prime number?

Skill 2

- A 2 C 10
B 14 D 25

4. Which is the GCF of 9 and 12?

Skill 6

- F 108 H 21
G 3 J 6

5. Red marbles come in bags of 8.
Green marbles come in bags of 6.
What is the fewest number of bags
of each color you can buy so that
you will have the same number of
marbles of each color?

Skill 8

- A 2 bags red; 2 bags green
B 6 bags red; 8 bags green
C 4 bags red; 3 bags green
D 3 bags red; 4 bags green

6. 80 is not divisible by which
number?

Skill 1

- F 2 H 6
G 10 J 5

7. Which is the prime factorization
of 144?

Skill 3

- A 12×12
B $2 \times 2 \times 2 \times 2 \times 3 \times 3$
C $4 \times 4 \times 9$
D $2 \times 2 \times 2 \times 3 \times 3 \times 3$

8. Which is divisible by 3?

Skill 1

- F 531 H 128
G 965 J 292

9. Which is the LCM of 5 and 7?

Skill 7

- A 7 C 1
B 15 D 35

10. Which is the prime factorization
of 84?

Skill 5

- F $2 \times 3 \times 7$
G $2^2 \times 3 \times 7$
H $2 \times 3^2 \times 7$
J $2^2 \times 3^2 \times 7$

11. Which has the same value as
 $3 \times 3 \times 3 \times 3$?

Skill 4

- A 4^3 C 4×3
B 3^4 D 27

12. Which is the prime factorization
of 675?

Skill 5

- F $3 \times 5 \times 3 \times 5$
G 25×27
H $3^3 \times 5^3$
J $3^3 \times 5^2$