1- Use a number tree to find the prime factorization of 32.

A- 2x2x2x2x2

C- 2x2x2x4

B- 2x2x2x2x1

D- 4x4x2

2-Which of the following numbers is prime?

A- 9

C- 21

B- 15

D- 23

3- Find the prime factorization of 72

A- $2^3 \times 3^2$

C - $2 \times 3^2 \times 4$

B- $2^4 \times 3^3$

D - $2^2 \times 6^2$

4- Find the GCF 30 and 100

A- 10

C - 50

B- 15

D -11

5- Find the GCF of 18 and 16

A - 10

C - 12

B - 2

D – 4

LIVEWORKSHEETS

Choose all the ways to represent the prime factorization of 32.

- ☐ A. 2×7
- ☐ B. 2^5
- ☐ C. $2 \times 2 \times 2 \times 2$
- ☐ D. 5^2
- ☐ E. $2 \times 2 \times 2 \times 2 \times 2$

LCM of 6 and 8?

A- 24

B- 13

C- 10

. Which is the GCF of 36 and 54?

Ⓐ 2

Ⓑ 6

Ⓒ 9

Ⓓ 18

LIVEWORKSHEETS

Draw lines to match each pair of numbers on the left to the LCM of the numbers on the right.

4, 10	12
2, 12	15
3, 8	18
6, 9	20
5, 15	24

- Jase wrote the prime factorization of 99. Which expression could he have written? Choose all that apply.

- [ ] $3^2 \times 11$
- [ ] 9×9
- [ ] $3 \times 3 \times 3 \times 11$
- [ ] 3^4
- [ ] $3 \times 3 \times 11$

LIVEWORKSHEETS