

EXTRA PRACTICE - Exercises

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Unit I – The Structure of Mathematics Part B – Further Investigation of Number Symbols **Lesson 6 – Primes, Composites, and Factoring**

Find all the factored forms and the Prime Factored Form (PFF).

1. 125

2. 80

3. 96

4. 116

5. 52

6. 124

7. 136

8. 56

9. 18

10. 42

EXTRA PRACTICE — Answer Key

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Unit I – The Structure of Mathematics Part B – Further Investigation of Number Symbols **Lesson 6 – Primes, Composites, and Factoring**

Find all the factored forms and the Prime Factored Form (PFF).

1. $5 \cdot 25, 1 \cdot 25$
PFF = $5 \cdot 5 \cdot 5$

2. $4 \cdot 20, 5 \cdot 16, 8 \cdot 10, 2 \cdot 40, 1 \cdot 80$
PFF = $2 \cdot 2 \cdot 2 \cdot 2 \cdot 5$

3. $3 \cdot 32, 8 \cdot 12, 6 \cdot 16, 2 \cdot 48, 4 \cdot 24, 1 \cdot 96$
PFF = $2 \cdot 2 \cdot 2 \cdot 2 \cdot 2 \cdot 3$

4. $2 \cdot 58, 4 \cdot 29, 1 \cdot 116$
PFF = $2 \cdot 2 \cdot 29$

5. $2 \cdot 26, 4 \cdot 13, 1 \cdot 52$
PFF = $2 \cdot 2 \cdot 13$

6. $2 \cdot 62, 4 \cdot 31, 1 \cdot 124$
PFF = $2 \cdot 2 \cdot 31$

7. $2 \cdot 68, 4 \cdot 34, 8 \cdot 17, 1 \cdot 136$
PFF = $2 \cdot 2 \cdot 2 \cdot 17$

8. $2 \cdot 28, 4 \cdot 14, 8 \cdot 7, 1 \cdot 56$
PFF = $2 \cdot 2 \cdot 2 \cdot 7$

9. $3 \cdot 6, 2 \cdot 9, 1 \cdot 18$
PFF = $3 \cdot 3 \cdot 2$

10. $2 \cdot 21, 3 \cdot 14, 6 \cdot 7, 1 \cdot 42$
PFF = $2 \cdot 3 \cdot 7$