

## Practice Sheet Mild

### What's the pattern?

Write the next three numbers as well as the rule for each sequence.

1. 2, 6, 10, , , .

Rule:

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2. 12, 22, 32, , , .

Rule:

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3. 48, 40, 32, , , .

Rule:

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4. 90, 80, 70, , , .

Rule:

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5. 22, 30, 38, , , .

Rule:

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6. 45, 40, 35, , , .

Rule:

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## Practice Sheet Hot

### What's the pattern?

Write the next three numbers as well as the rule for each sequence.

1. 2, 6, 10, , , . Rule: \_\_\_\_\_

2. 6, 12, 18, , , . Rule: \_\_\_\_\_

3. 12, 22, 32, , , . Rule: \_\_\_\_\_

4. 48, 40, 32, , , . Rule: \_\_\_\_\_

5. 90, 80, 70, , , . Rule: \_\_\_\_\_

6. 22, 31, 40, , , . Rule: \_\_\_\_\_

7. 98, 86, 74, , , . Rule: \_\_\_\_\_

8. 5, 10, 20, , , . Rule: \_\_\_\_\_

## Practice Sheets Answers

### What's the pattern? (mild)

- |    |                        |                   |
|----|------------------------|-------------------|
| 1. | 2, 6, 10, 14, 18, 22   | Rule: Add 4       |
| 2. | 12, 22, 32, 42, 52, 62 | Rule: Add 10      |
| 3. | 48, 40, 32, 24, 16, 8  | Rule: Subtract 8  |
| 4. | 90, 80, 70, 60, 50, 40 | Rule: Subtract 10 |
| 5. | 22, 30, 38, 46, 54, 62 | Rule: Add 8       |
| 6. | 45, 40, 35, 30, 25, 20 | Rule: Subtract 5  |

#### Challenge

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|------|------------------------|------------------|
| e.g. | 6, 11, 16, 21, 26, 31  | Rule: Add 5      |
| or   | 56, 50, 44, 38, 32, 26 | Rule: Subtract 6 |

### What's the pattern? (hot)

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|----|------------------------|-------------------|
| 1. | 2, 6, 10, 14, 18, 22   | Rule: Add 4       |
| 2. | 6, 12, 18, 24, 30, 36  | Rule: Add 6       |
| 3. | 12, 22, 32, 42, 52, 62 | Rule: Add 10      |
| 4. | 48, 40, 32, 24, 16, 8  | Rule: Subtract 8  |
| 5. | 90, 80, 70, 60, 50, 40 | Rule: Subtract 10 |
| 6. | 22, 31, 40, 49, 58, 67 | Rule: Add 9       |
| 7. | 98, 86, 74, 62, 50, 38 | Rule: Subtract 12 |
| 8. | 5, 10, 20, 40, 80, 160 | Rule: Double      |

#### Challenge

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|------|------------------------|------------------|
| e.g. | 31, 26, 21, 16, 11, 6  | Rule: Subtract 5 |
|      | 55, 62, 69, 76, 83, 90 | Rule: Add 7      |
|      | 64, 32, 16, 8, 4, 2    | Rule: Halve      |