## Unit 5 Lesson 1: Reviewing Exponents

### 1 Reviewing Exponents (Warm up)

#### Student Task Statement

Complete the table.

|  |  |
| --- | --- |
| expanded form | exponential form |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

### 2 Saving Money

#### Student Task Statement

Clare has a summer job. She wants to save money to spend on the family vacation at the end of summer. She is going to save $5 per week for each of the 10 weeks she is working.

Tyler also has a summer job and he, too, would like to save money to spend on the family vacation. He is going to start by saving $2 the first and second weeks and double the amount he saves each of the other weeks he is working ($4 the third week, $8 the fourth week, and so on).

Complete the table showing how much money each of them will have at the end of each week for the 10 weeks.

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| week | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |  |
| Clare | 5 | 10 | 15 |  |  |  |  |  |  |  |  |
| Tyler | 2 | 4 | 8 |  |  |  |  |  |  |  |  |

### 3 Identifying Equivalent Expressions

#### Student Task Statement

Choose an expression from List A and match it with an equivalent expression from List B and from List C.

* For each match that you find, explain to your partner how you know it’s a match.
* For each match that your partner finds, listen carefully to their explanation. If you disagree, discuss your thinking and work to reach an agreement.
* Switch roles so that your partner chooses a different expression from List A and matches it with an equivalent expression from List B and from List C.

List A

List B

List C

18

512

729

1,000



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