Unit One Answer Keys

ANSWER KEY

Session 1

Bridges Student Book, page 1, Height Measurement

1–4 These items are actions. No response necessary.

5 a Responses will vary.

b Responses will vary.

c 12 inches

d 3 feet

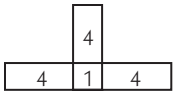
e 36 inches

f 100 centimeters

Session 4

Blacklines A 1.1–A 1.3, Unit One Assessment

1 a

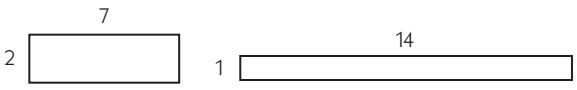


b 58 cubes

c Students' methods will vary. Example:
19 × 3 + 1 = 57 + 1 = 58

2 a 14 is a composite number

b Students' explanations will vary. Examples:
example 1: *I know it's composite because it has factors besides 1 and itself. Like 2 × 7 = 14.*
example 2: *I know it's composite because I can make two different rectangles for it.*



3 a 5

b Students' work will vary. Example:
10 – 3 × 2 + 1 = 10 – 6 + 1 = 4 + 1 = 5

c Students' choice of problem and methods will vary. Examples:
example 1: *(Morgan's answer) 10 – 3 × 2 + 1 = 7 × 2 + 1 = 14 + 1 = 15*
example 2: *(Ebony's answer) 10 – 3 × 2 + 1 = 10 – 3 × 3 = 10 – 9 = 1*

4 a 27 tile

b 102 tile

c 2 + *n* in the *n*th arrangement

d Students' explanations will vary. Example:
It's always the 2 gray tile plus the arrangement number.

5 a 139, 139, 141, 142, 144, 145, 147, 147, 147, 147, 148, 148, 150, 151, 151, 154, 155, 155, 156, 160, 161

b Students' observations will vary. Examples:

- *The tallest people are 160 and 161 cm tall.*
- *There are two shortest people who are 139 cm tall.*
- *A lot of people are kind of in the middle: 147 to 151 cm.*
- *There are 4 people who are 147 cm tall. That's the most people at any one height.*
- *There's kind of a big gap between the tallest people and most people in the class. The person who is 160 cm is 4 cm taller than the next shorter person.*

Blackline A 1.4, Individual Interview

1 6, 105, 793

2 24, 48
48, 35
45, 56

3 4, 4, 8

4 700

5 76 or 6

6 10,000 + 4,000 + 700 + 80 + 2 = 14,782

7 4 vans are needed

8 a Students' responses will vary. Example:
They can break each bar into four parts and give each person a piece from each bar.

b *Each person will get 3/4 of a bar.*

9 $10.35