

# Rock Sums

Did You Know? Larger rocks can break into stones over time. Rain, wind, and ice can make rocks crumble and break apart.

- 1 Jessica and Milton are collecting stones on a hike. Milton collects 27 stones. Jessica collects 18 stones. How many stones do they collect in all?

Use compensation to solve the problem. **Sample answer given.**

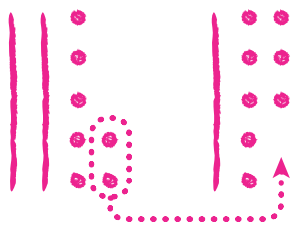
$$27 + 18 = \underline{45}$$

$$\ominus \underline{2} \quad \oplus \underline{2}$$

$$\underline{25} + \underline{20} = \underline{45} \text{ stones}$$

- 2 Model how you used compensation to solve the problem in Item 1. Draw a picture of place-value blocks for each addend. Then use your drawing and words to explain your thinking.

**Sample drawing given.**



**Sample answer: I can take 2 from 27 and give it to 18 to make 20.**

**Then I add.  $25 + 20 = 45$**

- 3 **Extension** Write your own word problem about collecting stones. Then use compensation to solve.

**Problems will vary. Check students' work.**

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