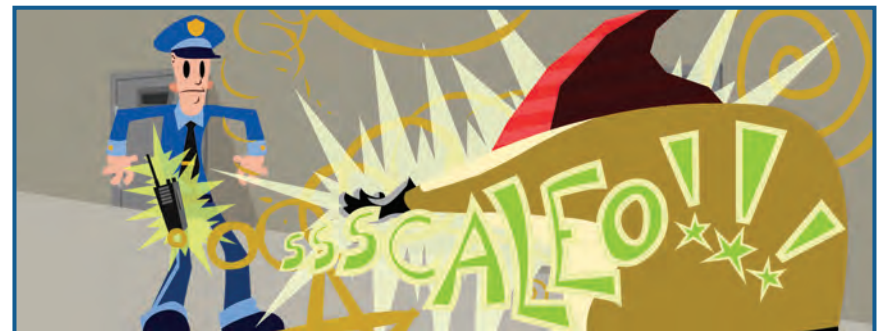
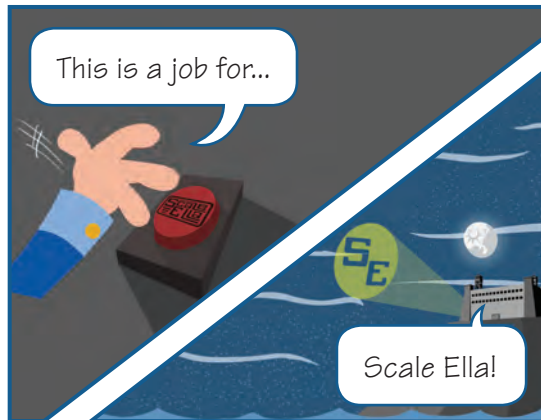
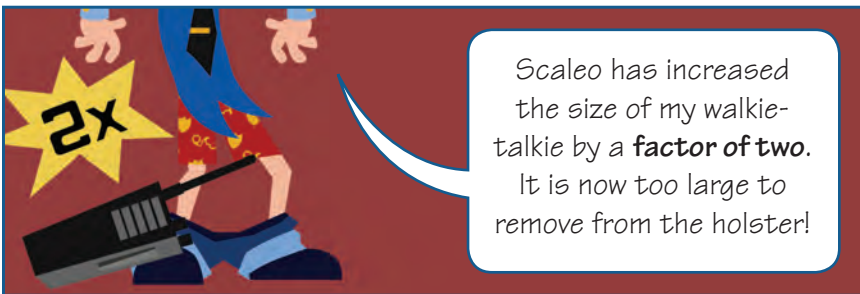


Fold Here





Fold Here



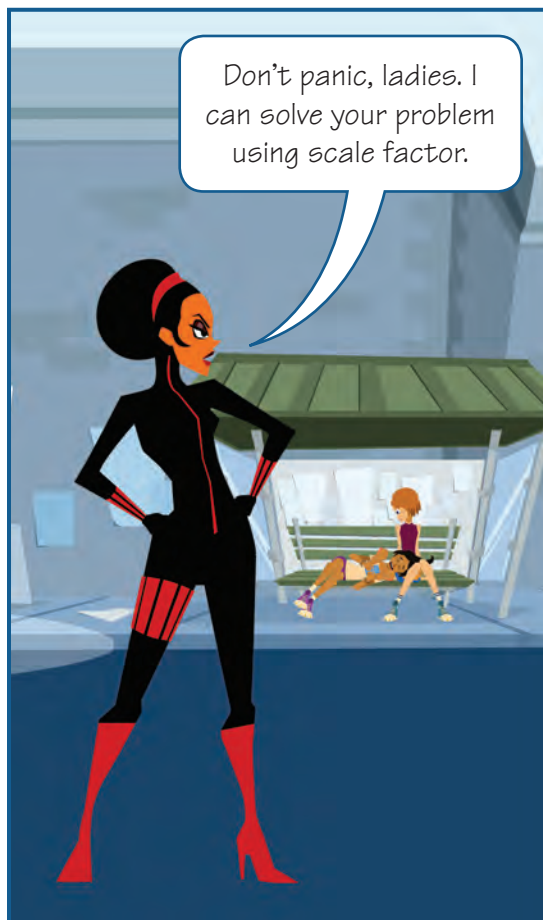
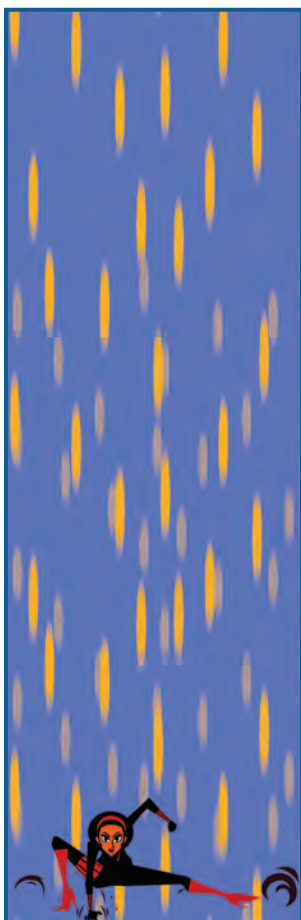
Janice texted me that Matt says that Eli says that Gerritt says that Pamela says that James said he likes me, and wants to know if I like him!





Fold Here





Fold Here

Your thumbs were **2 inches** tall.

Now, they are **10 inches** tall.

Normal Size

Scaled-Up Size

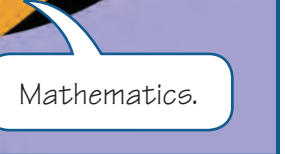
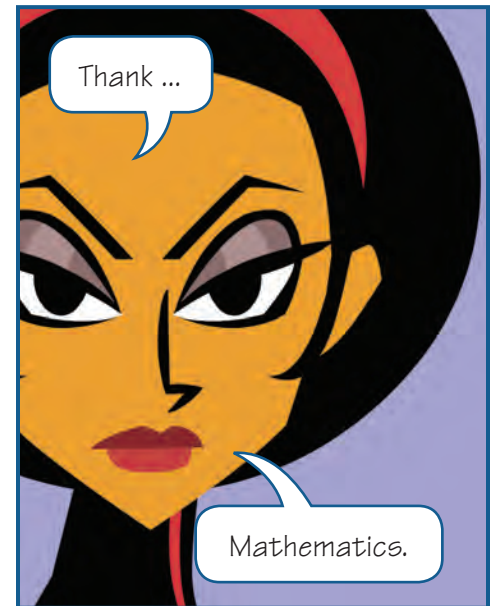
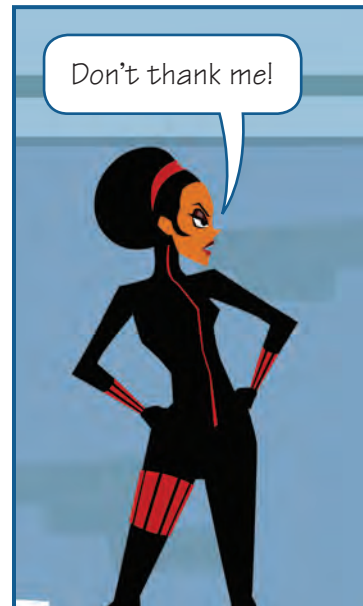
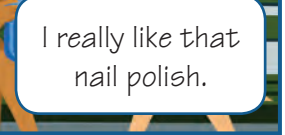
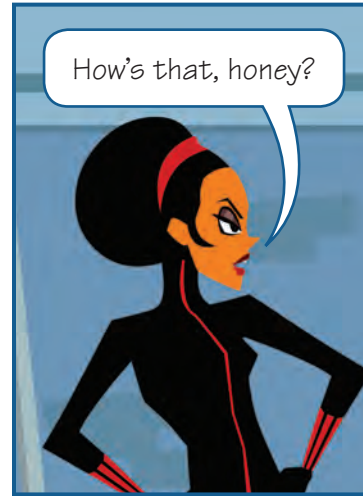
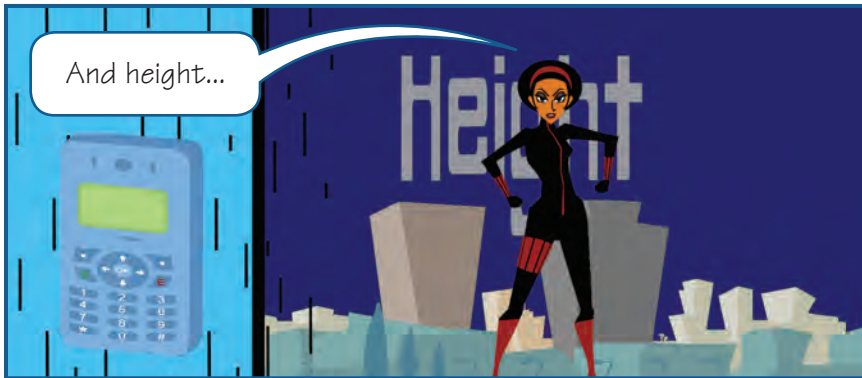
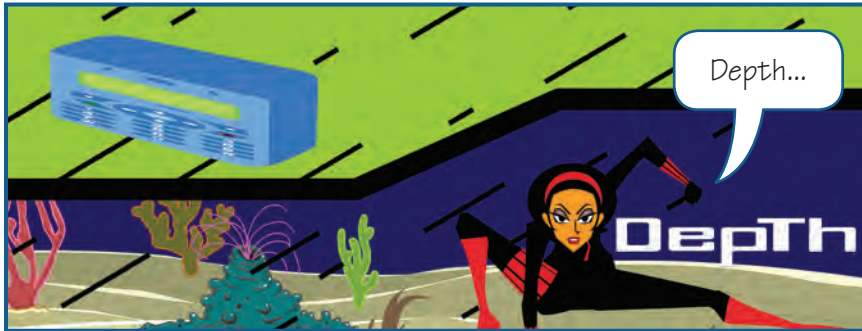
2 times what is 10?

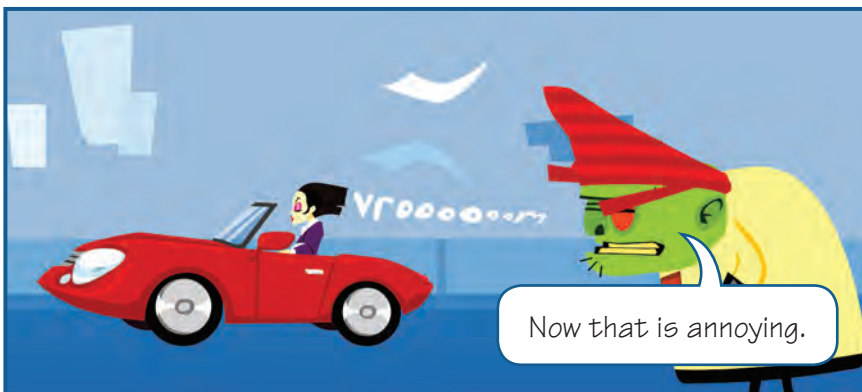
$$\begin{array}{r} 2 \\ \times 5 \\ \hline 10 \end{array}$$

Five is the scale factor!

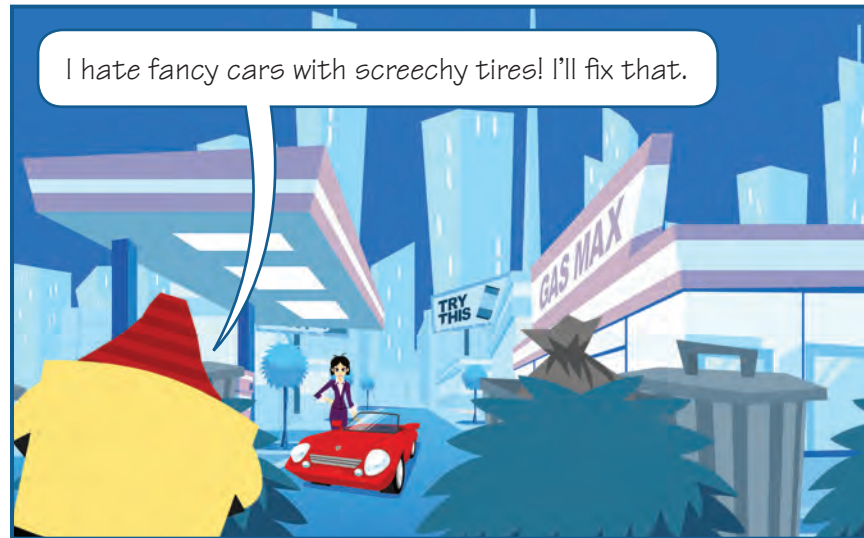
Five is the scale factor!

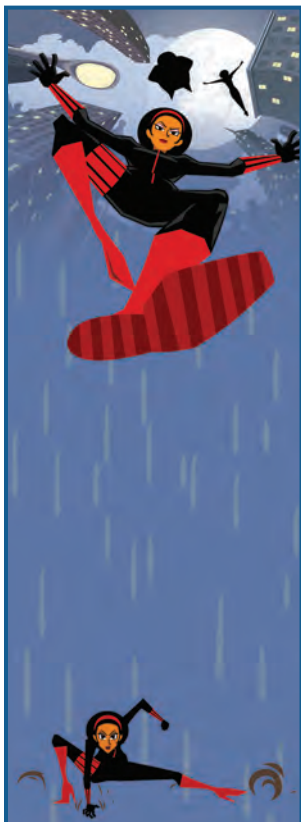
Fold Here





Fold Here





Fold Here

Her tires were **21** inches tall.

Now, they are **7** inches tall. **21** times **what** is **7**?

Normal Size

Scaled-Down Size

$$\frac{21 \times \text{What} = 7}{21 \quad 21}$$

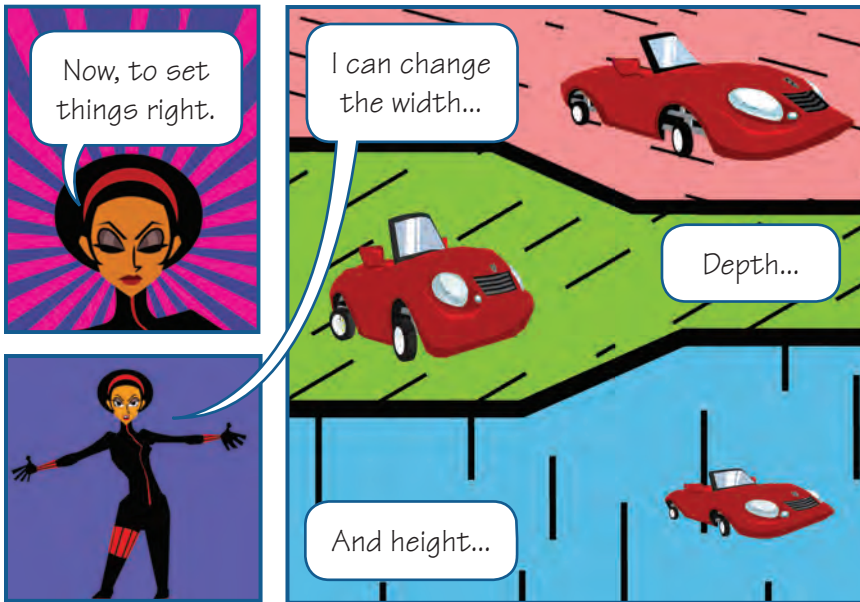
Divide both sides by 21.

What equals **7** over **21**? Reduce **7** over **21** to $\frac{1}{3}$.

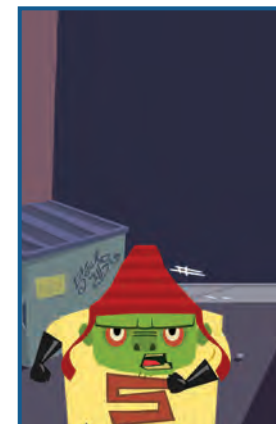
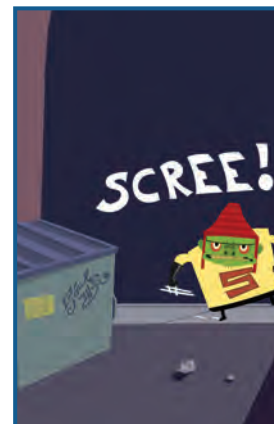
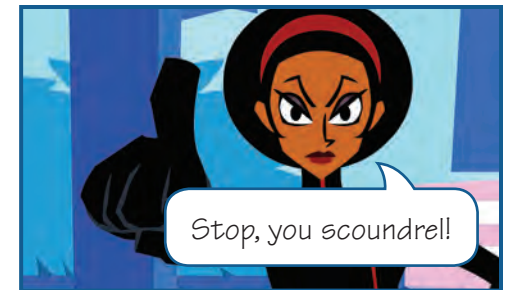
$$\frac{7}{21} = \frac{1}{3}$$

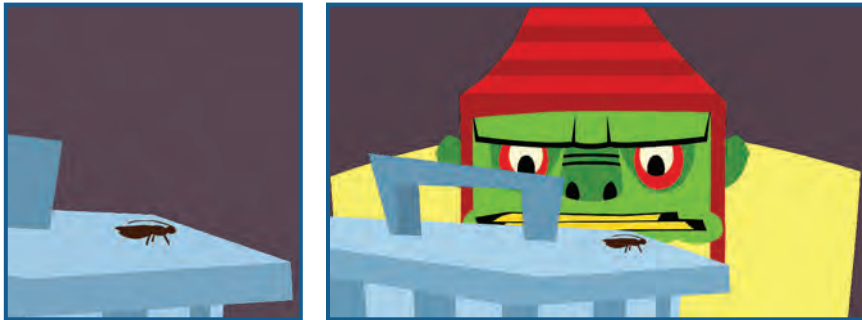
$\frac{1}{3}$ is my...

SCALE FACTOR



Fold Here





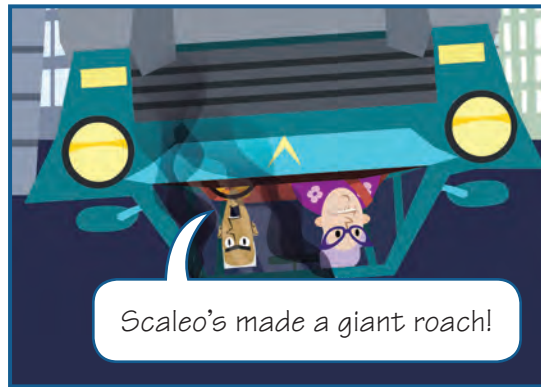
Fold Here



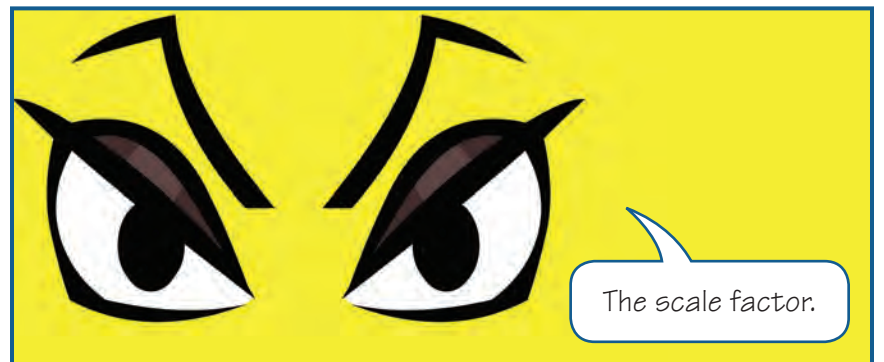


Fold Here

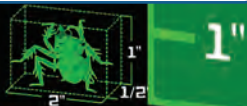




Fold Here



A cockroach is about **an inch** long.



Normal Size

But now...



The roach is **50 feet** long. That's **600 inches**!

$$50' = 600''$$

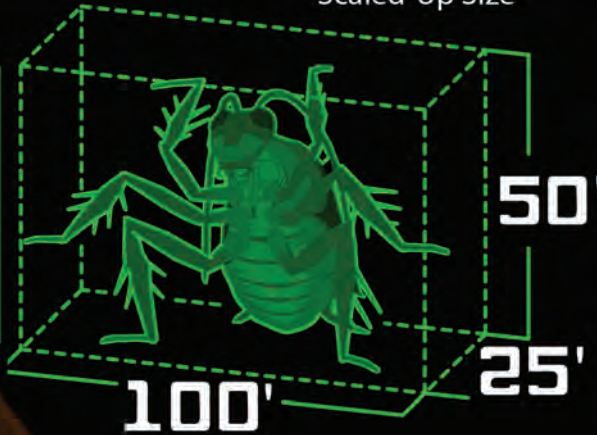
Fifty Feet

Equals

Six-Hundred Inches

Scaled-Up Size

50' 600''



What times 1 equals 600?

$$\text{What} \times 1 = 600''$$

In other words,
600 divided

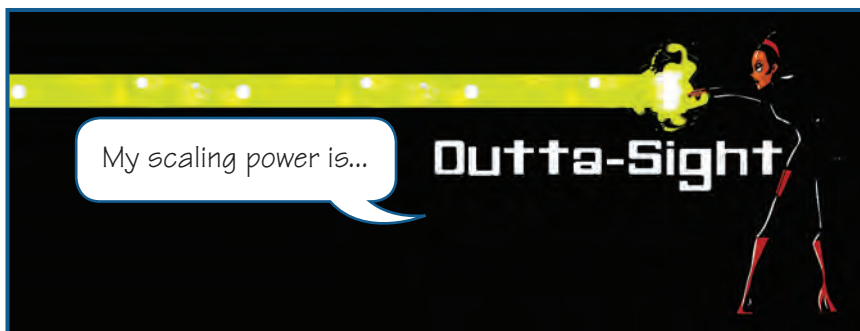
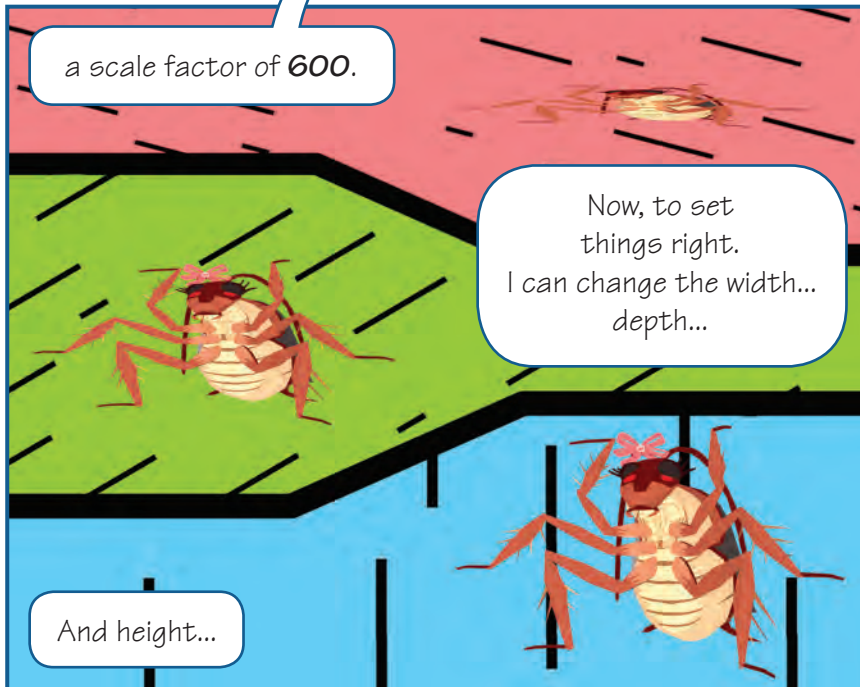
$$\frac{600''}{\text{What}} = 1$$

by What is 1?

$$\frac{600''}{600''} = 1$$

600 divided by
600 is 1.

**Scale
Factor
600**

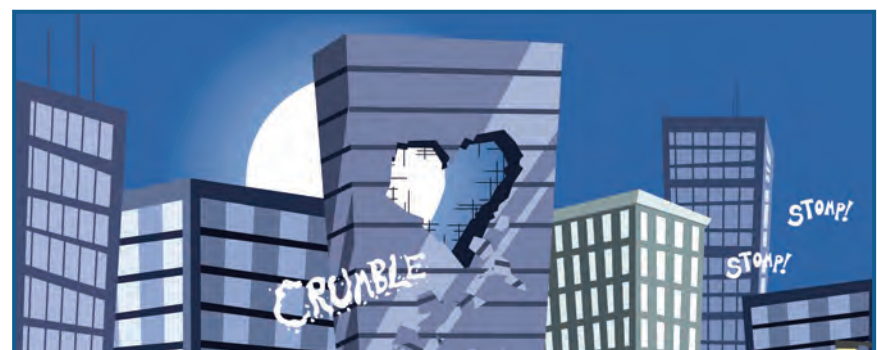
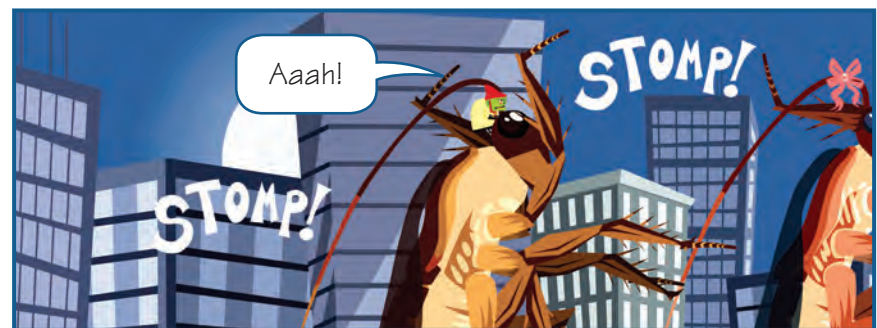
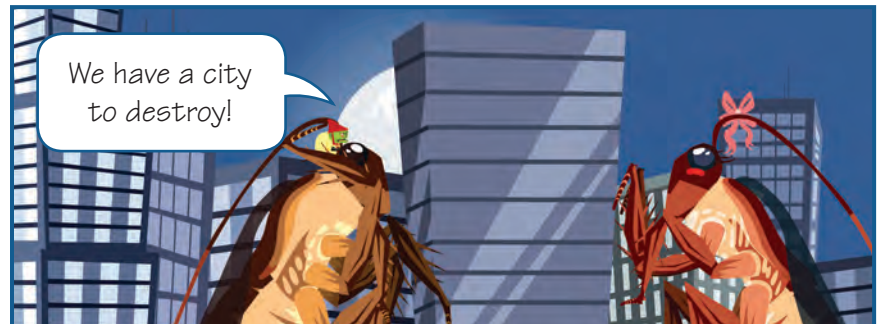
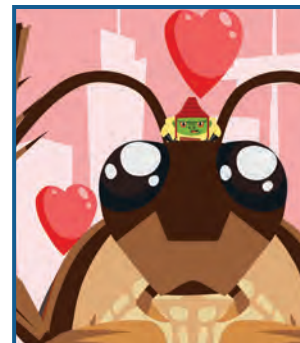


Fold Here



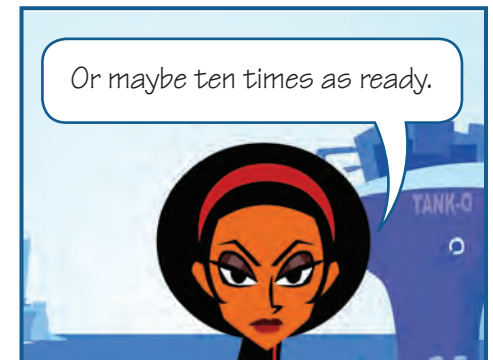
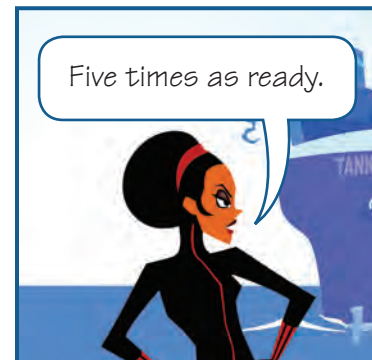


Fold Here





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