

RATIO HEROES

If you've watched TV this season, you've probably heard the sentence, "Save the cheerleader; save the world." It's from the show *Heroes*. Hayden Panettiere plays Claire, the indestructible cheerleader.

Now, work with *equivalent ratios*. It won't save the world, but you will learn some fun facts about Hayden!
—by Zorik Pesochinsky

WHAT TO DO

In each question, there is a pair of ratios. If the ratios are equivalent, circle the word YES. If they're not equivalent, circle NO. The phrase next to the circled fact completes the sentence about Hayden.

One Way to Do It EQUIVALENT RATIOS

To learn the basics of ratios, see pages 12-13. To see if two ratios are equivalent:

✓ Write both ratios in fraction form ($\frac{a}{b}$).

✓ Cross-multiply the ratios. If the cross-products are equal, the ratios are equivalent.

Example:

Are $\frac{1}{4}$ and $2:8$ equivalent?

✓ Fraction form: $\frac{1}{4} = \frac{2}{8}$

✓ Cross-multiply:

$1 \times 8 = 8$ and $4 \times 2 = 8$,

so the ratios are equivalent.

- A** $\frac{2}{3}, \frac{6}{9}$ This spring, Hayden will...
YES release her first album.
NO move to Japan for three months.
- B** 2 to 12, $\frac{1}{3}$ Hayden's nickname is...
YES Little H.
NO Mushroom.
- C** 7 to 9, 3:4 Hayden filmed her first commercial (out of more than 50 she has done) when she was...
YES 8 years old.
NO 11 months old.
- D** 40:45, $\frac{8}{9}$ Hayden takes...
YES karate and boxing lessons.
NO drawing and painting classes.
- E** 20 to 72, $\frac{5}{8}$ Hayden was the voice of...
YES Princess Dot in *A Bug's Life*.
NO Stitch in *Lilo & Stitch*.
- F** 134:96, 11:8 While filming the skating movie *Ice Princess*, Hayden...
YES broke her leg.
NO did her own stunts.



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