

Fraction Fact Check

Find halves, fourths, and eighths.

GRADE 2 • TEKS 2.3.D

2.3.D "identify examples and non-examples of halves, fourths, and eighths."

NAME _____

DATE _____

EQUAL PARTS MATTER

Halves, fourths, and eighths are made from equal-size parts. A half has 2 equal parts, a fourth has 4 equal parts, and an eighth has 8 equal parts.

WORKED EXAMPLE

Ten crackers are shared equally by 2 children. Each child gets 5 crackers. Is each share one half?

1. There are 10 crackers.
2. The crackers are split into 2 equal shares.
3. Each share has 5 crackers.
4. One of 2 equal shares is $\frac{1}{2}$.

Answer: Yes, each child gets $\frac{1}{2}$.

PRACTICE 4 problems

- 1** A sandwich is cut into 2 equal pieces. Sam gets 1 piece. Is Sam's share a half?

ANSWER _____

- 2** A trail mix bag has 4 equal scoops. Kim eats 3 scoops. Is $\frac{3}{4}$ one half?

ANSWER _____

- 3** A paper strip is cut into 4 pieces. One piece is larger than the others. Can each piece be called a fourth? Write yes or no. Tell why.

ANSWER _____

- 4** A toy train has 8 equal cars. One car is $\frac{1}{8}$ of the train. Is this an eighth?

ANSWER _____

APPLY IT Show your work

- 1** At the snack table, 8 equal apple slices are on a plate. One child takes 1 slice. Is the slice a half, a fourth, or an eighth of the plate?

WORK SPACE

ANSWER _____

- 2** Piper and a friend share 6 matching stickers equally. Piper gets 3 stickers. Is Piper's share one half?

WORK SPACE

ANSWER _____

CHALLENGE One step up

Eight equal crayons are in a box. Two crayons are blue. Is the blue part one fourth of the crayons? Explain.

WORK SPACE AND ANSWER

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	A sandwich is cut into 2 equal pieces. Sam gets 1 piece. Is Sam's share a half?	Yes.
2	A trail mix bag has 4 equal scoops. Kim eats 3 scoops. Is $\frac{3}{4}$ one half?	No.
3	A paper strip is cut into 4 pieces. One piece is larger than the others. Can each piece be called a fourth? Write yes or no. Tell why.	No. The pieces are not equal.
4	A toy train has 8 equal cars. One car is $\frac{1}{8}$ of the train. Is this an eighth?	Yes.

PART 2 • APPLY IT

1. **an eighth** There are 8 equal slices. One slice is $\frac{1}{8}$ of the plate.
2. **Yes, Piper's share is one half.** The 6 stickers are split into 2 equal shares of 3 stickers. Piper has 1 of the 2 equal shares.

CHALLENGE

Yes. $\frac{2}{8}$ is the same amount as $\frac{1}{4}$.

Accept equivalent wording that shows the parts must be equal. For the challenge, accept an explanation that 2 of 8 equal parts makes 1 of 4 equal groups.