

## BRAIN TEASERS

### Big Brownies

#### Solution

Brenda ate  $\frac{1}{4}$  of her brownie.

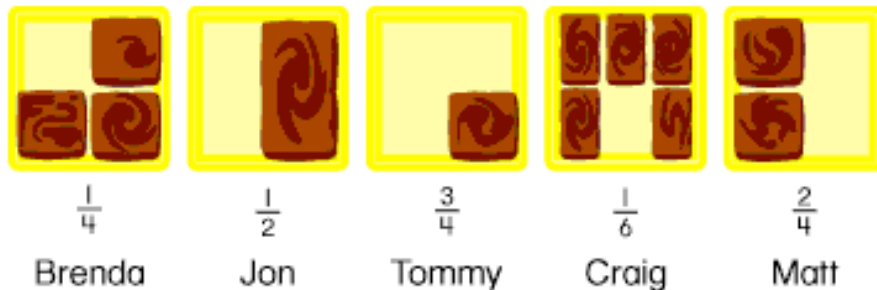
Craig ate  $\frac{1}{6}$  of his brownie.

Jon ate  $\frac{1}{2}$  of his brownie.

Matt ate  $\frac{2}{4}$  of his brownie.

Tommy ate  $\frac{3}{4}$  of his brownie.

#### Explanation



Make a chart with the fractions of brownies eaten shown in order from least to greatest.

	$\frac{1}{6}$	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{2}{4}$	$\frac{3}{4}$
Brenda		X			
Craig	X				
Jon			X	X	
Matt			X	X	
Tommy					X

- Jon ate the same amount as Matt. The two amounts that are the same are  $\frac{1}{2}$  and  $\frac{2}{4}$ . Matt's brownie was cut into more pieces than Jon's, so Jon ate  $\frac{1}{2}$  of his brownie and Matt ate  $\frac{2}{4}$ .
- Tommy ate more than Matt did. The only amount more than  $\frac{1}{2}$  or  $\frac{2}{4}$  is  $\frac{3}{4}$ . So Tommy must have eaten  $\frac{3}{4}$  of his brownie.
- Brenda ate more than Craig ate. The only amounts left are  $\frac{1}{4}$  and  $\frac{1}{6}$ . One fourth is greater than  $\frac{1}{6}$ . So Brenda must have eaten  $\frac{1}{4}$  of her brownie.