## Equivalence of Half and Two Quarters

## Green

Circle $1 / 2$ of the images below and complete the statements


$$
\frac{1}{2} \text { of } 14=\square
$$


$\frac{1}{2}$ of $16=\square$
Circle $2 / 4$ of the images below and complete the statements.


$$
\frac{2}{4} \text { of } 14=\square
$$

$$
\frac{2}{4} \text { of } 16=\square
$$

Use <, > or = to finish the statements below. Prove it using the images below.
A. $\frac{1}{2}$ of 26 $\square \frac{2}{4}$ of 26
B. $\frac{1}{2}$ of $22 \square \frac{2}{4}$ of 22



Ben is finding one half and two quarters by grouping the bricks below.


## Green



## Equivalence of Half and Two Quarters

## Yellow

Circle 1/2 of the images below and complete the statements


Circle 2/4 of the images below and complete the statements.


Use <, > or = to finish the statements below. Prove it using the images below.
A.

B.
$\square$


Annie is finding one half and two quarters by grouping the marbles below.

She says,


Find and explain the mistake that Annie has made.

## Equivalence of Half and Two Quarters

## Yellow



$$
A=2 / 4 \text { of } 20=1 / 2 \text { of } 20 ; B=2 / 4 \text { of } 24=1 / 2 \text { of } 24
$$

A.
$\frac{2}{4}$ of $\square \square \frac{1}{2}$ of $\square$
B. $\square$
$\square$ $\frac{1}{2}$ of $\square$
$\square$



Annie has found two quarters of the marbles correctly because there are 36 in total. She has then found half of the two quarters and not the whole amount. Half is also 18 not 9 .

She says,


Find and explain the mistake that Annie has made.

## Equivalence of Half and Two Quarters

## Red

Circle 1/2 of the images below and complete the statements


Circle $2 / 4$ of the images below and complete the statements.


Use <, > or = to finish the statements below. Prove it using the images below.
A.

$$
\frac{2}{4} \text { of } 22 \square \frac{1}{2} \text { of } \square
$$


B.


Chris is finding one half and two quarters by grouping the toys below.


Is this the most efficient way to find two quarters? Explain your answer.

## Red

$A=1 / 2$ of $24=12 ; \quad 2 / 4$ of $24=12 ; B=1 / 2$ of $30=15 ; 2 / 4$ of $30=15$


Circle $2 / 4$ of the images below and complete the statements.

A. $\frac{2}{4}$ of $22 \square \frac{1}{2}$ of $\square$

B.


Chris has found a method that will get the right answer but it is not efficient. As half and two quarters are equivalent, once he has halved the toys he already has the answer for half. He does not need to half this and multiply by 2 .

He says,


Is this the most efficient way to find two quarters? Explain your answer.

