

Our Learning Keys

Fractions

Maths

Year 2
Weeks 1-3

Questions



- Which is larger, the part or the whole?
- Is there more than one way to show equal parts?
- How else can you write one half?
- How is finding half of a number similar to dividing by 2? Why?
- Why can you not split an odd number of counters into two equal groups?
- How is the denominator of $1/4$ different from the denominator of $1/2$?
- What does each digit in the fraction represent?
- What does the fraction bar represent?
- How many quarters are there in a half?
- What does the numerator/denominator represent?
- How do you find $1/2$ / $1/4$ of a number? How do you find $1/3$ of a number? What is the same? What is different?

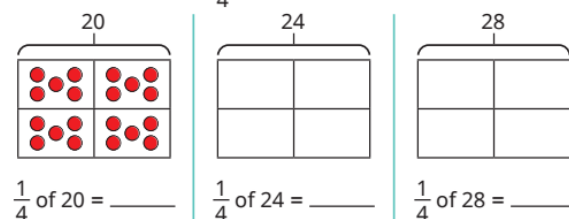
Vocabulary

Numerator	Denominator
Whole	Two quarters
Half	Three quarters
Quarter	Unit fractions
Third	Double
Parts	Groups
Non-unit fractions	
Equal / equal parts / unequal	

Images



Use bar models to find $\frac{1}{4}$ of each number.

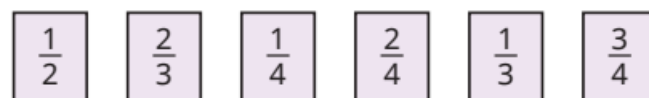


Find the wholes.

$\frac{1}{2}$ of $\frac{10}{4}$ = 5 $\frac{1}{3}$ of $\frac{15}{4}$ = 5 $\frac{1}{4}$ of $\frac{20}{4}$ = 5
 $\frac{1}{2}$ of $\frac{20}{4}$ = 10 $\frac{1}{3}$ of $\frac{30}{4}$ = 10 $\frac{1}{4}$ of $\frac{40}{4}$ = 10

Write $<$, $>$ or $=$ to compare the amounts.

Sort the fractions into unit fractions and non-unit fractions.

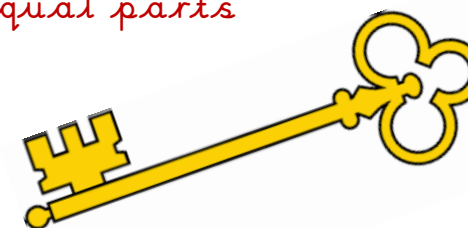


$\frac{3}{4}$ of 40 $\bigcirc$ $\frac{1}{4}$ of 40
 $\frac{1}{2}$ of 32 $\bigcirc$ $\frac{3}{4}$ of 32

Facts



- I can tell the difference between equal and unequal parts
- I can recognise and find a half
- I can recognise and find a quarter
- I can recognise and find a third
- I can find the whole
- I can explain the difference between unit fractions and non-unit fractions
- I can recognise the equivalence of a half and two-quarters
- I can recognise and find three-quarters
- I can count in fractions up to a whole



Previously...

In Year 1 the children were taught to recognise and find half and a quarter of an object, shape or quantity.

Year 2
Fractions

Next...

In Year 3 children learn to add and subtract fractions, partition the whole and use both unit and non-unit fractions of a set of objects.

Links



- Art - colour mixing equal quantities
- DT - food tech

Doors this will open...

- Data analysis
- Statistician
- Scientist
- Engineer
- Builder
- Painter
- Baker / Chef

