

To be able to identify and represent tenths

**MathShed**

**Starter:**  
If the completed diagrams represent the second and third steps in a sequence, what came before and what comes afterwards?

Explain your answer.

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**Activity 1:**  
Put a line through representations below that do not show tenths.

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**Activity 2:**  
Complete the sentences below by writing the correct fraction.

— of the beads are red.      — of the beads are white.

— of the counters are red.  
— of the counters are yellow.

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**Activity 3:**  
Complete the sentences below by writing the correct fraction.

— of the cubes are pink.  
— of the cubes are yellow.  
— of the cubes are purple.

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**Activity 4:**  
Jamal fills the ten frame below with either red or yellow counters.

How many different counter combinations can you think of using red and/or yellow counters?  
Explain your answer.

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**Activity 5:**  
Complete the part-whole models below.

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**Activity 6:**

If Ruth has measured  $\frac{7}{10}$  of the way along the piece of wood below, what smaller fraction of the piece of wood is being cut off?



Explain your answer.

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**Activity 7:**

Ten friends share the four cakes below.



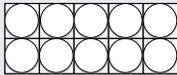
How much cake does each friend receive?  
Explain your answer.

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**Activity 8:**

James has a bag of ten marbles.  
 $\frac{1}{2}$  of the bag's marbles are blue,  $\frac{1}{10}$  of the bag's marbles are yellow.



If the remaining marbles are red, what fraction of the bag's marbles are red?  
Use the ten frame above to help explain your answer.

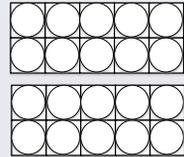
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**Evaluation:**



If I have a bouquet of flowers, seven tenths of them are pink and the rest are a mix of yellow and purple, three tenths could be yellow.



Is Astrobee's statement true or false?  
Use the ten frames above to help to explain your answer.