Fractions

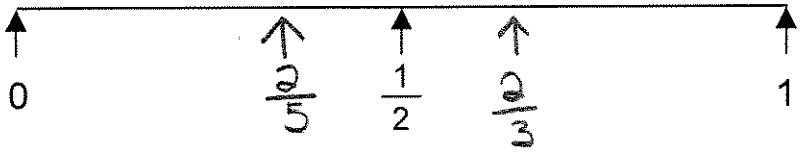
T1

This problem gives you the chance to:
- show the position of fractions on a number line
- compare the sizes of fractions

20 − 15 = 5 ; 15 − 12 = 3

1/2 = 15/30 ; 2/5 = 12/30 ; 2/3 = 20/30

Here is a number line.



1. Mark the position of the two fractions $\frac{2}{3}$ and $\frac{2}{5}$ on the number line.

2. Explain how you decided where to place $\frac{2}{3}$ and $\frac{2}{5}$ on the number line.

I divided the line into 3's and where the second line was was where I put the 2/3's mark. Then I did the same for the 2/5's.

3. Which of the two fractions, $\frac{2}{3}$ or $\frac{2}{5}$, is nearer to $\frac{1}{2}$? 2/5

Explain how you figured it out.

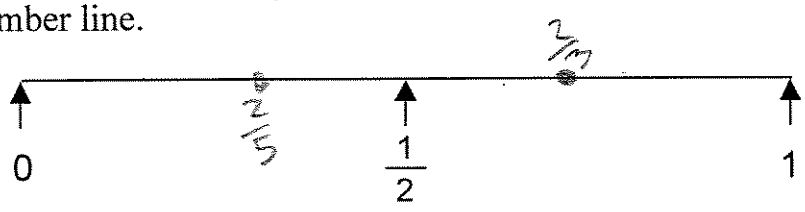
I found a denominator that 3, 5, and 2 could go into evenly and that number was 30. 1/2 = 15/30, 2/5 = 12/30, 2/3 = 20/30. Then I did 15/30 − 12/30 = 3/30, next I did 20/30 − 15/30 = 5/30. The difference 3/30 is smaller than 5/30 and the smaller number means it is closer to 1/2 which = 15/30.

Fractions

This problem gives you the chance to:
- show the position of fractions on a number line
- compare the sizes of fractions

T2

Here is a number line.



1. Mark the position of the two fractions $\frac{2}{3}$ and $\frac{2}{5}$ on the number line.

2. Explain how you decided where to place $\frac{2}{3}$ and $\frac{2}{5}$ on the number line.

I used imaganery lines to split it in fifths than in thirds

3. Which of the two fractions, $\frac{2}{3}$ or $\frac{2}{5}$, is nearer to $\frac{1}{2}$? $\frac{2}{5}$

Explain how you figured it out.

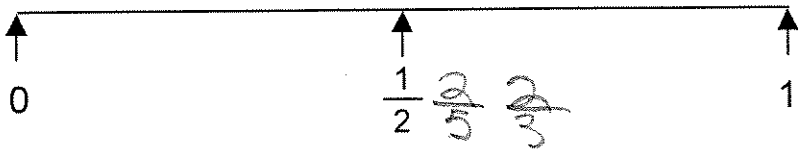
After I put the fractions on the number line I measured the lengths from each fraction to $\frac{1}{2}$

Fractions

This problem gives you the chance to:
- show the position of fractions on a number line
- compare the sizes of fractions

T3

Here is a number line.



1. Mark the position of the two fractions $\frac{2}{3}$ and $\frac{2}{5}$ on the number line.

2. Explain how you decided where to place $\frac{2}{3}$ and $\frac{2}{5}$ on the number line.

Because  looks like more than  to me. And the both are bigger than 

3. Which of the two fractions, $\frac{2}{3}$ or $\frac{2}{5}$, is nearer to $\frac{1}{2}$? 2/5

Explain how you figured it out.

Because if someone cut a pie into 5th's and you took 2 pices would be smaller than if you could take 2 pices out of 3. And the smaller one would go next to ½ since ½ is smaller than both fractions.

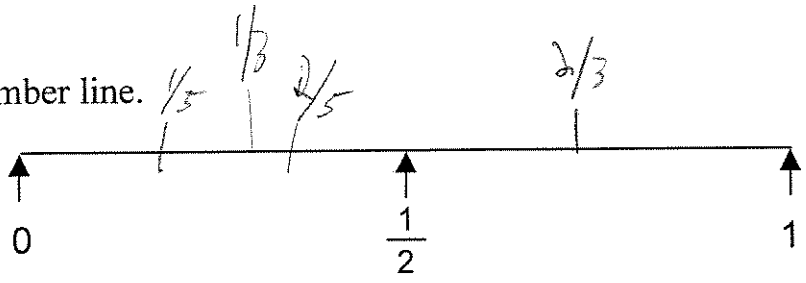
6

Fractions

T4

This problem gives you the chance to:
- show the position of fractions on a number line
- compare the sizes of fractions

Here is a number line.



1. Mark the position of the two fractions $\frac{2}{3}$ and $\frac{2}{5}$ on the number line.

2. Explain how you decided where to place $\frac{2}{3}$ and $\frac{2}{5}$ on the number line.

I split the line in 3ends and fifes

3. Which of the two fractions, $\frac{2}{3}$ or $\frac{2}{5}$, is nearer to $\frac{1}{2}$? 2/5

Explain how you figured it out.

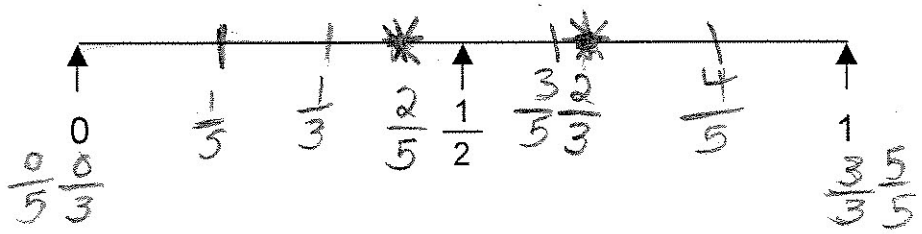
I look at the line

Fractions

T5

This problem gives you the chance to:
- show the position of fractions on a number line
- compare the sizes of fractions

Here is a number line.



1. Mark the position of the two fractions $\frac{2}{3}$ and $\frac{2}{5}$ on the number line.

2. Explain how you decided where to place $\frac{2}{3}$ and $\frac{2}{5}$ on the number line.

for 2/3: I split the number line into thirds and marked where 2/3 was.
for 2/5: I split the number line into fifths and marked where 2/5 was.

3. Which of the two fractions, $\frac{2}{3}$ or $\frac{2}{5}$, is nearer to $\frac{1}{2}$? 2/5

Explain how you figured it out.

I looked at my number line and thought that 2/3 was closer to 3/4 than to 1/2 and I looked at 2/5 and found that it was indeed closest to 1/2.

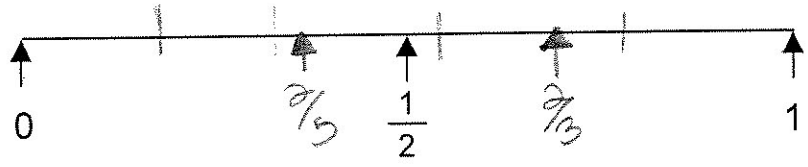
6

Fractions

S1

This problem gives you the chance to:
- show the position of fractions on a number line
- compare the sizes of fractions

Here is a number line.



1. Mark the position of the two fractions $\frac{2}{3}$ and $\frac{2}{5}$ on the number line.

2. Explain how you decided where to place $\frac{2}{3}$ and $\frac{2}{5}$ on the number line.

I divided the line into 3rd's first then took the 2/3's line and then I divided it into 5th's and then took the 2/5's line mark.

3. Which of the two fractions, $\frac{2}{3}$ or $\frac{2}{5}$, is nearer to $\frac{1}{2}$? 2/5

Explain how you figured it out.

I used the common denominator and then I took the one that was closer to half of the common denominator, 30

2/3 2/5 20/30

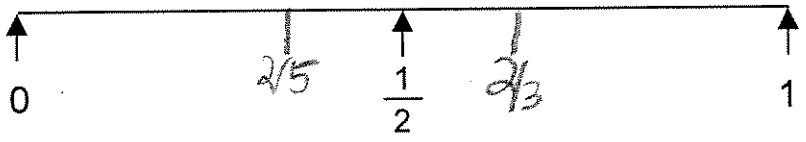
12/30

Fractions

This problem gives you the chance to:
- show the position of fractions on a number line
- compare the sizes of fractions

S2

Here is a number line.



1. Mark the position of the two fractions $\frac{2}{3}$ and $\frac{2}{5}$ on the number line.

2. Explain how you decided where to place $\frac{2}{3}$ and $\frac{2}{5}$ on the number line.

I knew that 2/3 is more than half and that 2/5 is less than half.

3. Which of the two fractions, $\frac{2}{3}$ or $\frac{2}{5}$, is nearer to $\frac{1}{2}$? 2/3

Explain how you figured it out.

Because 2/3 is 6 6/12 or something like that

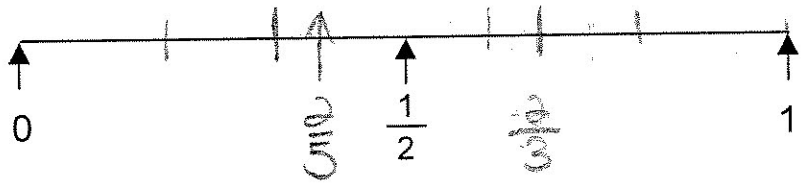
6

Fractions

S3

This problem gives you the chance to:
- show the position of fractions on a number line
- compare the sizes of fractions

Here is a number line.



1. Mark the position of the two fractions $\frac{2}{3}$ and $\frac{2}{5}$ on the number line.

2. Explain how you decided where to place $\frac{2}{3}$ and $\frac{2}{5}$ on the number line.

I divided the line. I evened out both sides, then the last number split through the middle. It's sort of hard to explain

3. Which of the two fractions, $\frac{2}{3}$ or $\frac{2}{5}$, is nearer to $\frac{1}{2}$? $\frac{2}{5}$ is nearer.

   Explain how you figured it out.

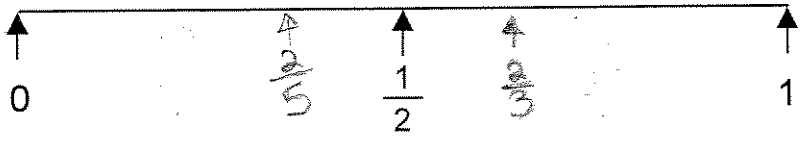
I used common denominators, and whichever top number is closer to half of the bottom number is closer to one half.

Fractions

S4

This problem gives you the chance to:
- show the position of fractions on a number line
- compare the sizes of fractions

Here is a number line.



1. Mark the position of the two fractions $\frac{2}{3}$ and $\frac{2}{5}$ on the number line.

2. Explain how you decided where to place $\frac{2}{3}$ and $\frac{2}{5}$ on the number line.

2/5 is less than half and 2/3 is more

3. Which of the two fractions, $\frac{2}{3}$ or $\frac{2}{5}$, is nearer to $\frac{1}{2}$? 2/3

Explain how you figured it out.

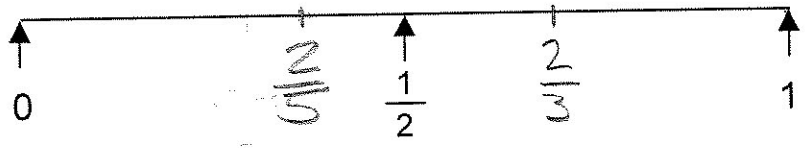
I divided the line in thirds and fifths and then measured the length

Fractions

S5

This problem gives you the chance to:
- show the position of fractions on a number line
- compare the sizes of fractions

Here is a number line.



1. Mark the position of the two fractions $\frac{2}{3}$ and $\frac{2}{5}$ on the number line.

2. Explain how you decided where to place $\frac{2}{3}$ and $\frac{2}{5}$ on the number line.

I divided the number line into 3rds first. Then I found the 2nd 3rd mark and marked that. Then I divided the line into 5ths then I marked the 2nd 5th marks.

3. Which of the two fractions, $\frac{2}{3}$ or $\frac{2}{5}$, is nearer to $\frac{1}{2}$? $\frac{2}{5}$

Explain how you figured it out.

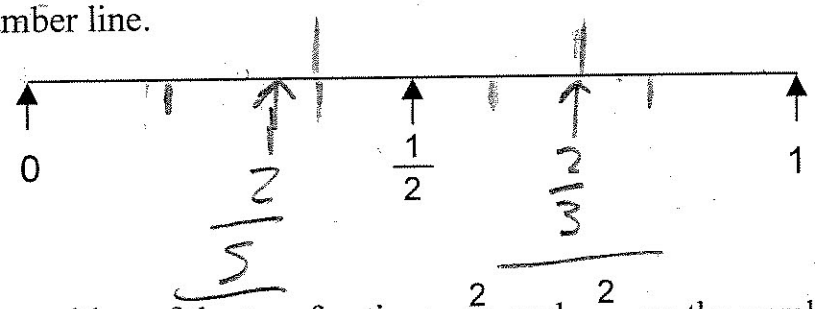
I looked at the number line and it looked like the $\frac{2}{5}$ mark was closer to 1/2.

Fractions

This problem gives you the chance to:
- show the position of fractions on a number line
- compare the sizes of fractions

S6

Here is a number line.



1. Mark the position of the two fractions $\frac{2}{3}$ and $\frac{2}{5}$ on the number line.

2. Explain how you decided where to place $\frac{2}{3}$ and $\frac{2}{5}$ on the number line.

For 2/3 I devided the # line into 3 parts and decided to put it on the 2nd line. For 2/5 I did the same exept I devided it by 5.

3. Which of the two fractions, $\frac{2}{3}$ or $\frac{2}{5}$, is nearer to $\frac{1}{2}$? 2/3

Explain how you figured it out.

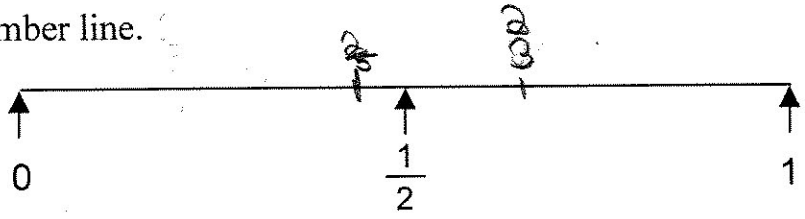
I figured it out because I looked at the lines deviding by 3 and 2/3 was on it but 2/5 didn't quite reach a line.

Fractions

This problem gives you the chance to:
- show the position of fractions on a number line
- compare the sizes of fractions

S7

Here is a number line.



1. Mark the position of the two fractions $\frac{2}{3}$ and $\frac{2}{5}$ on the number line.

2. Explain how you decided where to place $\frac{2}{3}$ and $\frac{2}{5}$ on the number line.

I tried to pretend I was folding them into 5th and thirds then I marked them

3. Which of the two fractions, $\frac{2}{3}$ or $\frac{2}{5}$, is nearer to $\frac{1}{2}$? $\frac{2}{5}$

Explain how you figured it out.

I figured this because it is one tiny piece below half and $\frac{2}{3}$ is a biger piece above half.

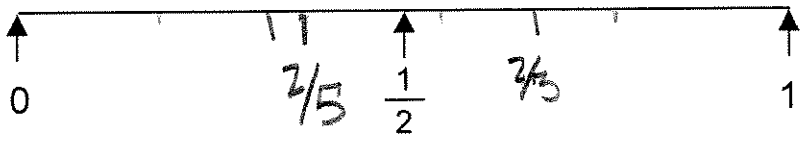
6

Fractions

This problem gives you the chance to:
- show the position of fractions on a number line
- compare the sizes of fractions

S8

Here is a number line.



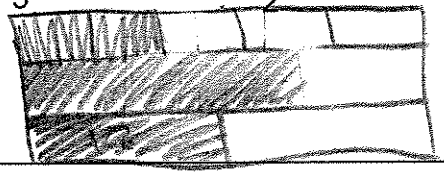
1. Mark the position of the two fractions $\frac{2}{3}$ and $\frac{2}{5}$ on the number line.

2. Explain how you decided where to place $\frac{2}{3}$ and $\frac{2}{5}$ on the number line.

I divided the line 1st into 3 parts. I marked at the end of 2/3. I did the same with 2/5, Except divided into 5 parts.

3. Which of the two fractions, $\frac{2}{3}$ or $\frac{2}{5}$, is nearer to $\frac{1}{2}$? 2/5

Explain how you figured it out.



I drew one big rectangle and divided it into 3 horizontal parts. In each smaller rectangle I divided it into 2, 3, and 5 parts. I shade 1/2 2/3 and 2/5 2/5 was closer to 1/2 than 2/3 was.

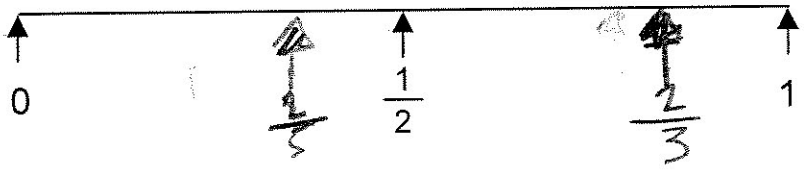
6

Fractions

S9

This problem gives you the chance to:
- show the position of fractions on a number line
- compare the sizes of fractions

Here is a number line.



1. Mark the position of the two fractions $\frac{2}{3}$ and $\frac{2}{5}$ on the number line.

2. Explain how you decided where to place $\frac{2}{3}$ and $\frac{2}{5}$ on the number line.

Well $\frac{2}{3}$ is almost a whole or past a half and so I put that near 1, and $\frac{2}{5}$ is not a half so I put that right near $\frac{1}{2}$.

3. Which of the two fractions, $\frac{2}{3}$ or $\frac{2}{5}$, is nearer to $\frac{1}{2}$? They an equal distance

Explain how you figured it out.

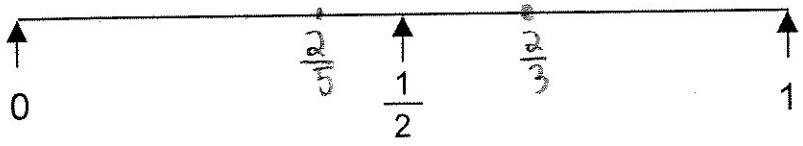
They are an equal distance because $\frac{2\frac{1}{2}}{5}$ that is half and $\frac{1\frac{1}{2}}{3}$ that is half, so they are an equal distance to one-half.

Fractions

This problem gives you the chance to:
- show the position of fractions on a number line
- compare the sizes of fractions

S10

Here is a number line.



1. Mark the position of the two fractions $\frac{2}{3}$ and $\frac{2}{5}$ on the number line.

2. Explain how you decided where to place $\frac{2}{3}$ and $\frac{2}{5}$ on the number line.

For $\frac{2}{3}$ I divided the line in 3 and put $\frac{2}{3}$ at the en of the second third. For $\frac{2}{5}$ I divided 0-$\frac{1}{2}$ in fifths and put $\frac{2}{5}$ at .4 since

3. Which of the two fractions, $\frac{2}{3}$ or $\frac{2}{5}$, is nearer to $\frac{1}{2}$? $\frac{2}{5}$

Explain how you figured it out.

because if you conver the fractions into percents $\frac{2}{5}$ is 40% and $\frac{2}{3}$ is 66.6 percent. 40 is closer to 50 than 66 is.