

Fractions

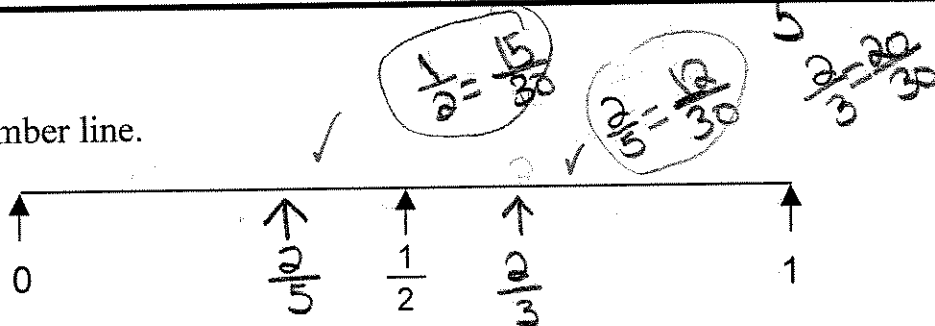
T1

This problem gives you the chance to:

- show the position of fractions on a number line
- compare the sizes of fractions

$$\frac{20}{15} \quad \frac{15}{3}$$

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 $\frac{3}{3}$'s and where the second line was was where I put the $\frac{2}{3}$'s mark. Then I did the same for the $\frac{2}{5}$'s. ✓

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 found a denominator that 3, 5, and 2 could go into evenly and that number was 30. $\frac{1}{2} = \frac{15}{30}$, $\frac{2}{5} = \frac{12}{30}$, $\frac{2}{3} = \frac{20}{30}$. Then

I did $\frac{15}{30} - \frac{12}{30} = \frac{3}{30}$, next I did $\frac{20}{30} - \frac{15}{30} = \frac{5}{30}$. The difference $\frac{3}{30}$ is smaller than $\frac{5}{30}$ and the smaller number means it is closer to $\frac{1}{2}$ which = $\frac{15}{30}$. ✓

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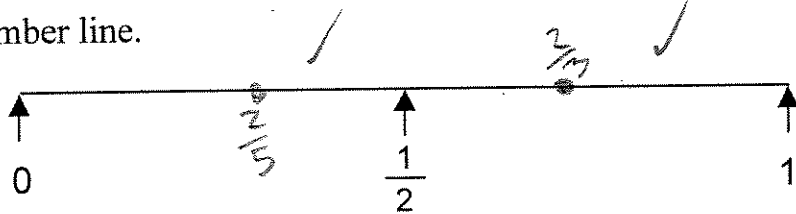
Fractions

T2

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 used imaginary lines to split it in fifth then in thirds

✓ 1

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

✓ 1

Explain how you figured it out.

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

(1)

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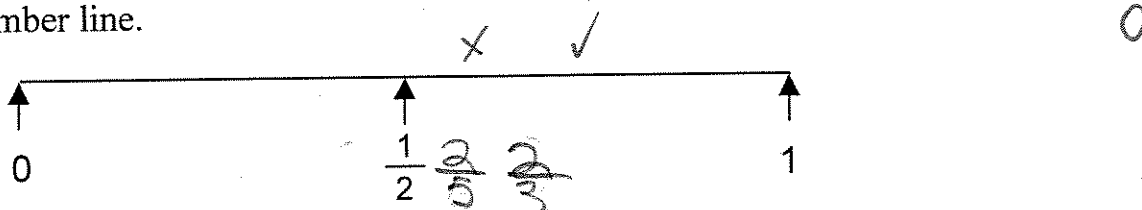
Fractions

T3

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.

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

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 someone cut a pie into 5th's and you took 2 pieces would be smaller than if you could take 2 pieces out of 3. And the smaller one would go next to $\frac{1}{2}$ since $\frac{1}{2}$ is smaller than both fractions.

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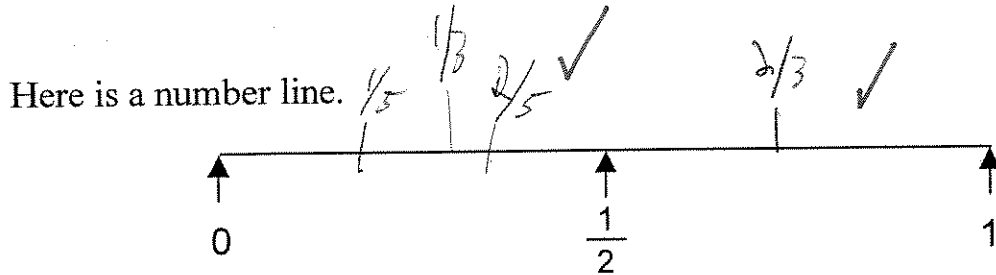
1

Fractions

T4

This problem gives you the chance to:

- show the position of fractions on a number line
- compare the sizes of fractions



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 3 parts and ~~the~~ ^{five} ~~parts~~ ✓

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 look at the line ✓ (1)

6 (5)

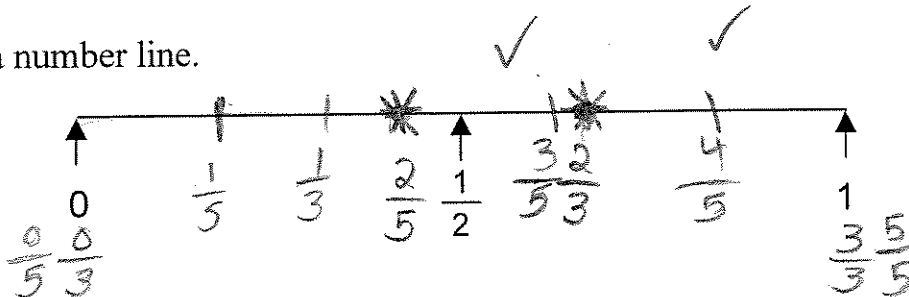
Fractions

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 $\frac{2}{3}$: I split the number line into thirds and marked where $\frac{2}{3}$ was.
 for $\frac{2}{5}$: I split the number line into fifths and marked where $\frac{2}{5}$ was.

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 my number line and thought that $\frac{2}{3}$ was closer to $\frac{3}{4}$ than to $\frac{1}{2}$ and I looked at $\frac{2}{5}$ and found that it was indeed closest to $\frac{1}{2}$.

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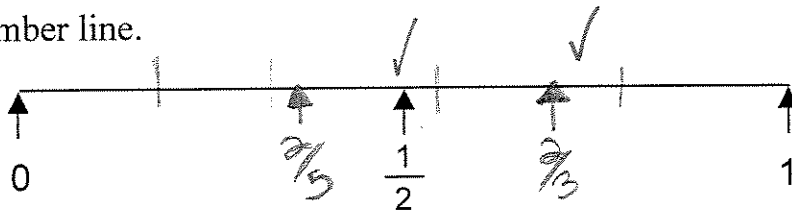
Fractions

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. ✓

$$\frac{2}{3} \quad \frac{2}{5} \quad \frac{20}{30}$$

$$\frac{12}{30}$$

6

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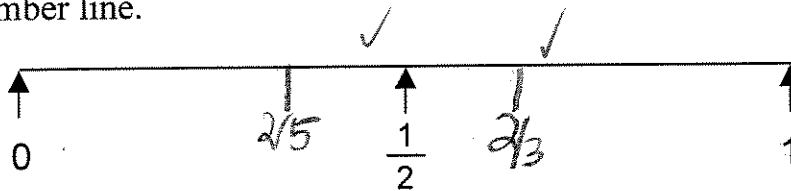
Fractions

S2

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 knew that $\frac{2}{3}$ is more than half and that $\frac{2}{5}$ is less than half. ✓

3. Which of the two fractions, $\frac{2}{3}$ or $\frac{2}{5}$, is nearer to $\frac{1}{2}$? $\frac{2}{3}$ x 0

Explain how you figured it out.

Because $\frac{2}{3}$ is $6\frac{1}{2}$ or something like that x 0

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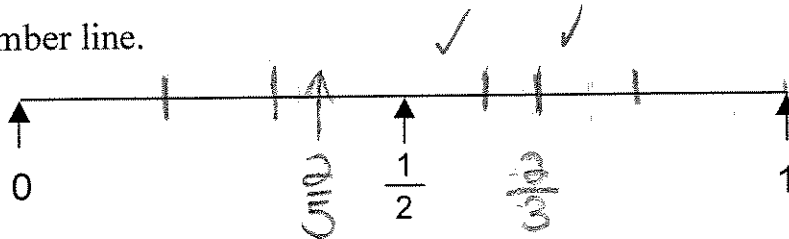
Fractions

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 which-
ever top number is closer to half of ✓
the bottom number is closer to one half. 2

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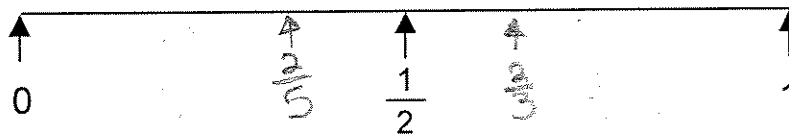
Fractions

This problem gives you the chance to:

- show the position of fractions on a number line
- compare the sizes of fractions

S4

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.

$\frac{2}{5}$ is less than half and $\frac{2}{3}$ is more

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

Explain how you figured it out.

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

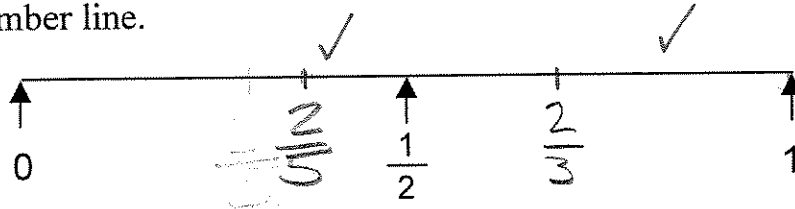
Fractions

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 3^{ods} first then I found the 2nd 3rd mark and marked that. then I divided the line into 5^{ths} 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 $\frac{1}{2}$. ✓ (1)

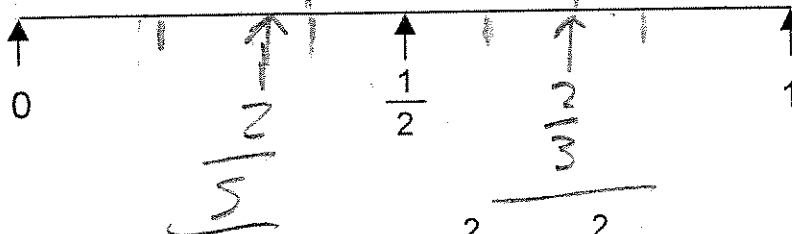
Fractions

S6

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 $\frac{2}{3}$ I divided the # line into 3 parts and decided to put it on the 2nd line.

For $\frac{2}{5}$ I did the same except I divided it by 5.

3. Which of the two fractions, $\frac{2}{3}$ or $\frac{2}{5}$, is nearer to $\frac{1}{2}$? $\frac{2}{3}$ × 0

Explain how you figured it out.

I figured it out because I looked at the lines dividing by 3 and $\frac{2}{3}$ was on it but $\frac{2}{5}$ didn't quite reach a line.

6 (3)

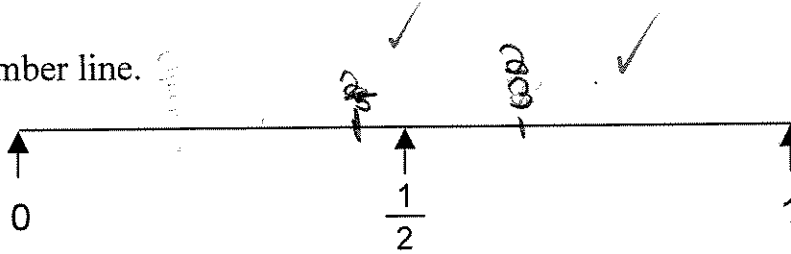
Fractions

S7

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 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 bigger piece above half

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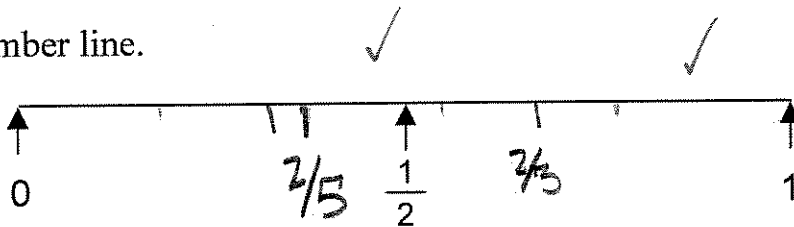
Fractions

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 $\frac{2}{3}$. I did the same with $\frac{2}{5}$. Except divided into 5 parts.

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

Explain how you figured it out.



$\frac{2}{5}$ ✓ 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 $\frac{1}{2}$, $\frac{2}{3}$ and $\frac{2}{5}$. $\frac{2}{5}$ was closer to $\frac{1}{2}$ than $\frac{2}{3}$ was.

6

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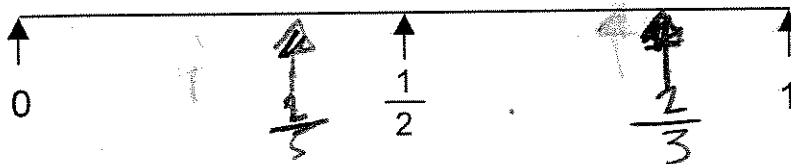
Fractions

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 are on equal distance

Explain how you figured it out.

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

6

3

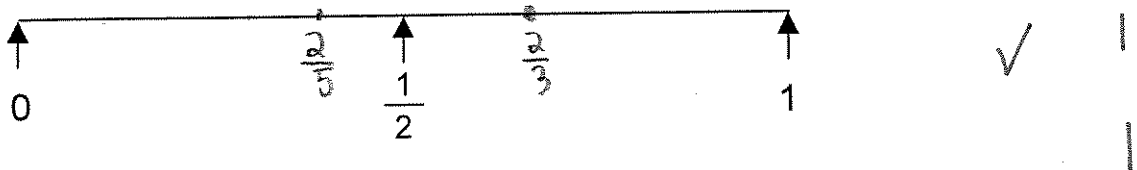
Fractions

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 end 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 convert 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.

6

6