

Find a third



Problem solving and reasoning cards:

Complete the comparison sentence to make it true.

$$\frac{1}{3} \text{ of } \underline{\quad? \quad} < 7$$

List the different possibilities.



My total of $\frac{1}{3}$ of 24 is more than 3×3 .

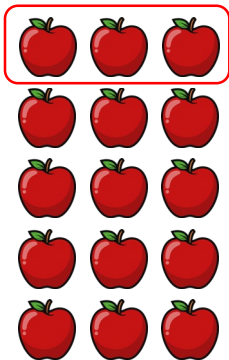
Is Dom correct?
Explain your answer.

Create your own:

My total of $\frac{1}{3}$ of $\underline{\quad}$ is more than $\underline{\quad} \times \underline{\quad}$.



I have circled $\frac{1}{3}$ because one third is 3.



Is Kat correct?
Explain your answer.

A piece of ribbon is cut into three equal pieces.

$\frac{1}{3}$ of the ribbon is 10 cm long.

How long was the ribbon before it was cut?
You may use a bar model to help you.



Beth

I have a third of £36.



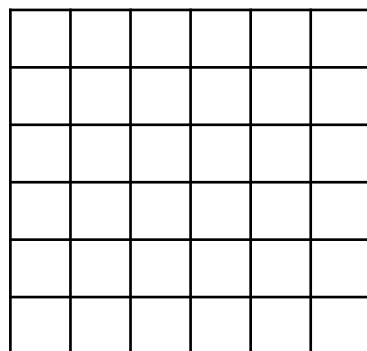
Ben

I have a half of £20.

Who has the most?

Explain how you know.

Jess says to show $\frac{1}{3}$ she needs to shade 3 rows.



Is Jess correct? Prove it by shading.

Find a third



Problem solving and reasoning cards:

Complete the comparison sentence to make it true.

$$\frac{1}{3} \text{ of } \underline{\quad? \quad} < 7$$

List the different possibilities.

18 (=6), 15 (=5), 12 (=4),
9 (=3), 6 (=2), 3 (=1).



My total of $\frac{1}{3}$ of 24 is more than 3×3 .

Is Dom correct?

Explain your answer.

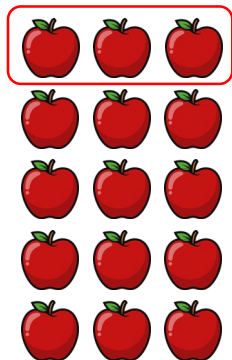
No. third of 24 is 8 and $3 \times 3 = 9$.
9 is more than 8

Create your own: Any suitable answer.

My total of $\frac{1}{3}$ of $\underline{\quad}$ is more than $\underline{\quad} \times \underline{\quad}$.



I have circled $\frac{1}{3}$ because one third is 3.



Is Kat correct?

Explain your answer.

No Kat is not correct. One third means 3 equal groups not 3. One third of 15 apples is 5.

A piece of ribbon is cut into three equal pieces.

$\frac{1}{3}$ of the ribbon is 10 cm long.

How long was the ribbon before it was cut?
You may use a bar model to help you.

30 cm was the length before it is cut.
One third is 10 cm so $10 \times 3 = 30$.

30		
10	10	10



Beth

I have a third of £36.



Ben

I have a half of £20.

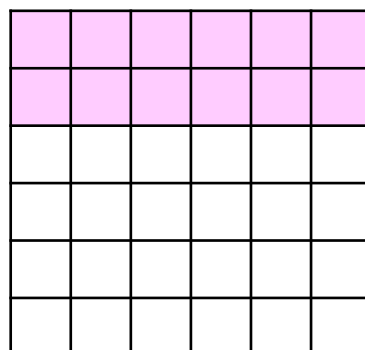
Who has the most?

Explain how you know.

Beth has the most.

A third of £36 = £12. A half of £20 = £10.

Jess says to show $\frac{1}{3}$ she needs to shade 3 rows.



Is Jess correct? Prove it by shading.

No. Jess needs to shade 2 rows.