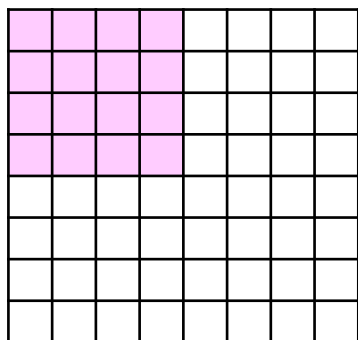


Find a quarter



Problem solving and reasoning cards:

The square is split up into smaller squares. Jess says to show $\frac{1}{4}$ she needs to shade 20 small squares.



My total of $\frac{1}{4}$ of 48 is less than 3×4 .

Is Kat correct?

Explain your answer.

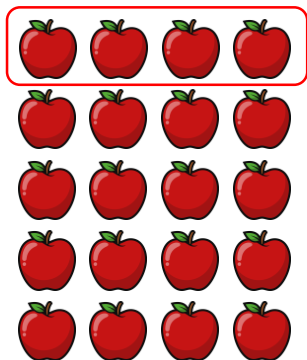
Create your own:

My total of $\frac{1}{4}$ of ____ is more than ____ $\times$ ____.

Is Jess correct? Prove it.



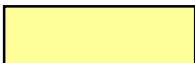
To show $\frac{1}{4}$, I will circle 4 apples.



Is Matt correct?

Explain your answer.

$\frac{1}{4}$ is cut from each ribbon.

$\frac{1}{4}$ of ribbon A =  6 cm

$\frac{1}{4}$ of ribbon B =  5 cm

How long was each piece of ribbon before being cut?

Which ribbon was the longest?

How much longer?



Sue

I have $\frac{1}{4}$ of £20.



Che

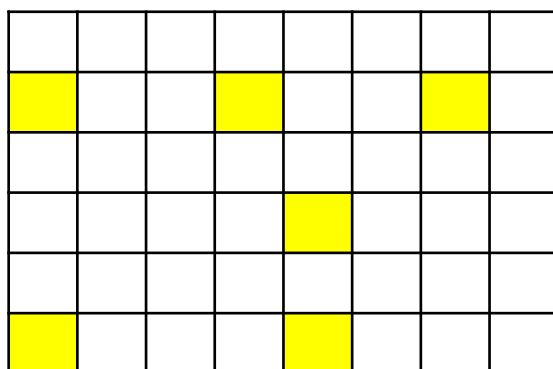
I have a half of £12.

Who has the most?

Explain your answer.

Part of a shape has been shaded.

Continue to shade the shape to show $\frac{1}{4}$.

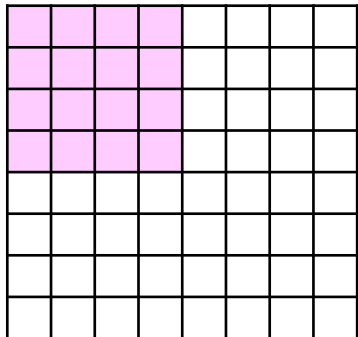


Find a quarter



Problem solving and reasoning cards:

The square is split up into smaller squares. Jess says to show $\frac{1}{4}$ she needs to shade 20 small squares.



My total of $\frac{1}{4}$ of 48 is less than 3×4 .

Is Kat correct?

Explain your answer.

No as $\frac{1}{4}$ of 48 = 12. $3 \times 4 = 12$

Therefore, both totals are equal to each other.

Create your own: Any suitable answer.

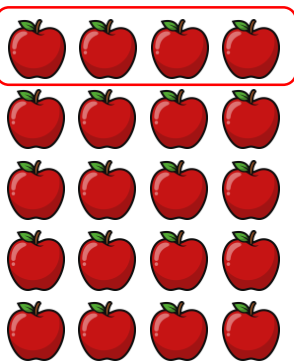
My total of $\frac{1}{4}$ of ____ is more than ____ $\times$ ____.

Is Jess correct? Prove it.

No. Jess needs to shade 16 small squares.



To show $\frac{1}{4}$, I will circle 4 apples.

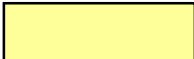


Is Matt correct?

Explain your answer.

No Matt is not correct, one quarter means 4 equal groups not 4. To show a quarter 5 apples would need to be circled.

$\frac{1}{4}$ is cut from each ribbon.

$\frac{1}{4}$ of ribbon A =  6 cm

$\frac{1}{4}$ of ribbon B =  5 cm

How long was each piece of ribbon before being cut?

Ribbon A = 24cm and ribbon B = 20cm

Which ribbon was the longest?

How much longer?

Ribbon A was longer by 4cm.



Sue

I have $\frac{1}{4}$ of £20.



Che

I have a half of £12.

Who has the most?

Explain your answer.

Che has the most.

$\frac{1}{4}$ of £20 = £5. A half of £12 = £6.

Part of a shape has been shaded.

Continue to shade the shape to show $\frac{1}{4}$.

48 squares in total. $\frac{1}{4}$ of 48 = 12.

Children will shade 6 more squares.

