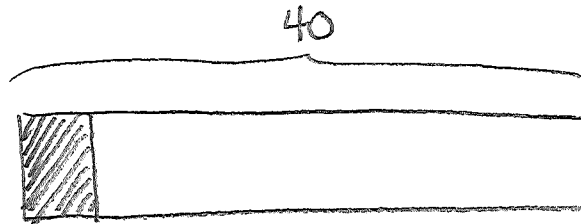


Operation: 16% of 40

Estimate – justify your thinking:

6.5 because  
10% of 40 is 4  
and 20% of 40 is 8  
so it is in between  
4 and 8.

Represent - with a sketch or drawing:



Explain your sketch:

I drew a strip that is 40  
and coloured what 16% of it  
would be.

Calculate:

$$0.16 \times 40$$

$$\begin{array}{r} 0.16 \\ \times 40 \\ \hline 06.40 \end{array}$$

6.40

Write a Real Life Example or Word Problem: If 16% of the trees in the forest died, how many trees would die if there were 40 trees.

Reflect:

I couldn't remember where to put the decimal in the answer but my estimate helped me.

Communicating & Representing

1 2 3 4

Entire assessment

Understanding & Solving

1 2 3 4

Entire assessment except  
reflection

Connecting & Reflecting

1 2 3 4

Real-life & reflection

Reasoning & Analyzing

1 2 3 4

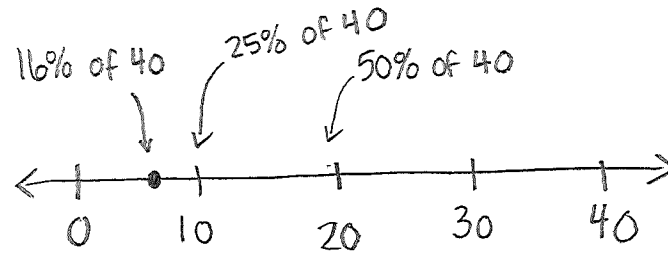
Estimate

Operation: 16% of 40

Estimate – justify your thinking:

8 because I know  
25% of 40 is 10  
so it has to be a bit  
less than 10.

Represent - with a sketch or drawing:



Explain your sketch:

I drew a number line that goes from 0 to 40 and marked where 16% of 40 would be.

Calculate:

$$\begin{aligned} 10\% \text{ of } 40 &= 4 \\ 5\% \text{ of } 40 &= 2 \\ 1\% \text{ of } 40 &= 0.4 + \\ \hline & \boxed{6.4} \end{aligned}$$

Write a Real Life Example or Word Problem: If you buy something that is \$40 but have to pay 16% tax, how much is the tax?

Reflect:

The estimate and drawing were easy because it was easy to divide 40 by 4 to get 25%.

Communicating & Representing

1 2 3 4

Entire assessment

Understanding & Solving

1 2 3 4

Entire assessment except reflection

Connecting & Reflecting

1 2 3 4

Real-life & reflection

Reasoning & Analyzing

1 2 3 4

Estimate