

Harrison plans to make 15 dozen cookies for a family reunion.

- a. How many cookies are equivalent to 15 dozen cookies? Show or explain how you got your answer.

Harrison will bake the cookies on cookie sheets. He will put 18 cookies on each cookie sheet. He will put 2 cookie sheets in his oven at the same time. The cookies take 10 minutes to bake.

- b. What is the total amount of baking time that it will take Harrison to bake all of the cookies? Show or explain how you got your answer.

**A** (12 = 1 dozen) 45 Cookies Because  $12 \times 15$  you get 45

**B** 45 cookies  
18 ~~on~~ each sheet  
20 min bake time  
10 mins for bake

**I**  $n = \text{how long it takes}$   
10 = how long every two sheets take

**C**  $4 \frac{1}{2} \overline{) 45} R 9$   
30

Grade 5-Performance Task 2

**e** I would take 20 mins because  $18 \div 45 = 2 R 9$   
and the remainder need to be another sheet.

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$$\begin{array}{r} 15 \\ \times 10 \\ \hline 05 \\ 50 \\ \hline 155 \end{array}$$

A 10

$$\begin{array}{r} B \quad 18 \\ + 10 \\ \hline \end{array}$$

$$\begin{array}{r} 08 \\ + 180 \\ \hline 188 \end{array}$$

$$\begin{array}{r} + 2 \\ \hline 376 \end{array}$$

I will take 376 minutes.