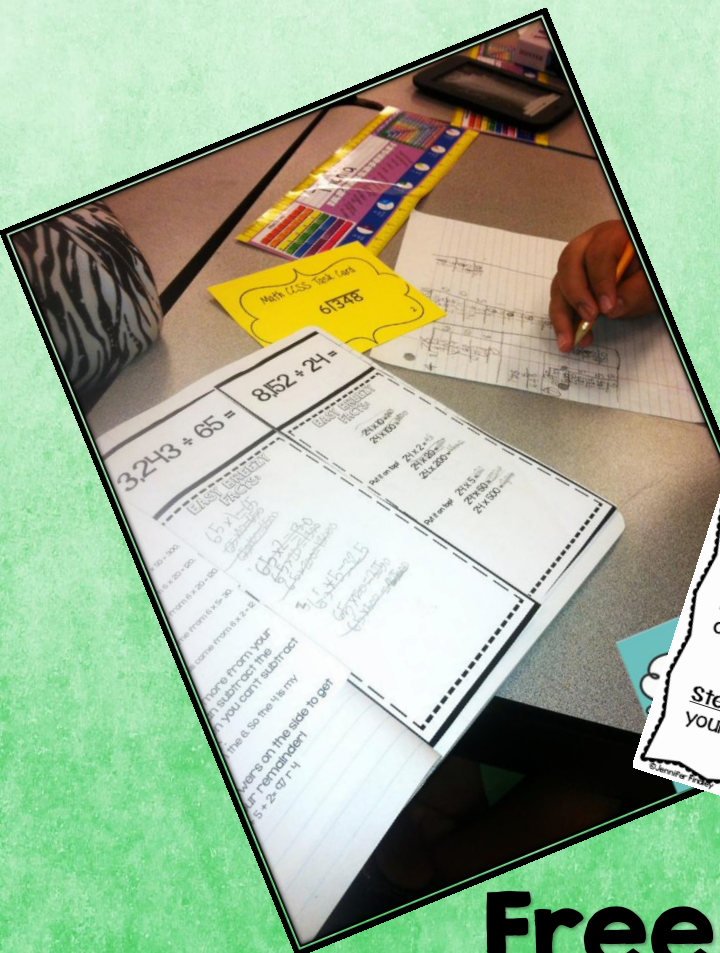


# “EASY BREEZY” PARTIAL QUOTIENTS DIVISION



**Step 1:** Write your easy breezy multiplication facts. (2s and 5s). \*\*\*Add your zeros for 20,200, 50, 500!

$6 \times 2 = 12$   
 $6 \times 20 = 120$   
 $6 \times 200 = 1200$

$6 \times 5 = 30$   
 $6 \times 50 = 300$   
 $6 \times 500 = 3,000$

**Step 2:** Start subtracting the largest numbers that you can from the number in the house.

$6 \overline{)586}$	
$\underline{-300}$	50 This came from $6 \times 50 = 300$ .
$\underline{-286}$	
$\underline{-120}$	20 This came from $6 \times 50 = 300$ .
$\underline{-166}$	
$\underline{-120}$	20 This came from $6 \times 20 = 120$ .
$\underline{-46}$	
$\underline{-30}$	05 This came from $6 \times 20 = 120$ .
$\underline{-16}$	
$\underline{-12}$	02 This came from $6 \times 5 = 30$ .
$\underline{-4}$	

**Step 3:** When you can't subtract any more from your Easy Breezy numbers, see if you can subtract the number outside of the house. When you can't subtract any more, that is your remainder.  
*On my problem, the 4 is smaller than the 6. So the 4 is my remainder.*

**Step 4:** Add up the partial answers on the side to get your answer. Don't forget your remainder!  
 $50 + 20 + 20 + 5 + 2 = 97 \text{ r } 4$

## Freebies!

$$6 \overline{)586}$$

**Step 1:** Write your easy breezy multiplication facts. (2s and 5s). \*\*\*Annex your zeros for 20,200, 50, 500.

$$6 \times 2 = 12$$

$$6 \times 5 = 30$$

$$6 \times 20 = 120$$

$$6 \times 50 = 300$$

$$6 \times 200 = 1,200$$

$$6 \times 500 = 3,000$$

**Step 2:** Start subtracting the largest numbers that you can from the dividend.

$\begin{array}{r} 6 \overline{)586} \\ - 300 \\ \hline 286 \end{array}$	50	This came from $6 \times 50 = 300$ .
$\begin{array}{r} 286 \\ - 120 \\ \hline 166 \end{array}$	20	This came from $6 \times 20 = 120$ .
$\begin{array}{r} 166 \\ - 120 \\ \hline 46 \end{array}$	20	This came from $6 \times 20 = 120$ .
$\begin{array}{r} 46 \\ - 30 \\ \hline 16 \end{array}$	05	This came from $6 \times 5 = 30$ .
$\begin{array}{r} 16 \\ - 12 \\ \hline 4 \end{array}$	02	This came from $6 \times 2 = 12$

**Step 3:** When you can't subtract any more from your Easy Breezy numbers, see how many groups of the divisor you can subtract. When you can't subtract any more, that is your remainder.

On my problem, the 4 is smaller than the 6. So the 4 is my remainder.

**Step 4:** Add up the partial answers on the side to get your answer. Don't forget your remainder!

$$50 + 20 + 20 + 5 + 2 = 97 \text{ r } 4$$

# DIVIDING USING PARTIAL QUOTIENTS

A bakery is equally distributing 1,645 cupcakes to their stores. They have 6 stores that need new shipments of cupcakes. How many cupcakes will each store get?

$$1,686 \div 3 =$$

$$2,152 \div 8 =$$

**Step 1:** Write your easy breezy multiplication facts. (2s and 5s). \*\*\*Annex your zeros for 20,200, 50, 500!

**Step 2:** Start subtracting the largest numbers that you can from the dividend.

**Step 3:** When you can't subtract any more from your Easy Breezy numbers, see how many groups of the divisor you can subtract. When you can't subtract any more, that is your remainder.

**Step 4:** Add up the partial answers on the side to get your answer. Don't forget your remainder!

**Step 1:** Write your easy breezy multiplication facts. (2s and 5s). \*\*\*Annex your zeros for 20,200, 50, 500!

**Step 2:** Start subtracting the largest numbers that you can from the dividend.

**Step 3:** When you can't subtract any more from your Easy Breezy numbers, see how many groups of the divisor you can subtract. When you can't subtract any more, that is your remainder.

**Step 4:** Add up the partial answers on the side to get your answer. Don't forget your remainder!

$$8,152 \div 24$$

=

EASY BREEZY  
FACTS:

$$24 \times 10 =$$
$$24 \times 100 =$$

$$24 \times 2 =$$
$$24 \times 20 =$$
$$24 \times 200 =$$

$$24 \times 5 =$$
$$24 \times 50 =$$
$$24 \times 500 =$$

$$3,243 \div 65 =$$

EASY BREEZY  
FACTS:

If you like this resource, make sure you check out my other Common Core Aligned Resources.



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Thanks!  
Jennifer Findley

## CREDITS

