

Estimate and then multiply.

1	$29 \times 11 \approx$		23	$801 \times 31 \approx$	
2	$29 \times 21 \approx$		24	$803 \times 31 \approx$	
3	$29 \times 31 \approx$		25	$703 \times 31 \approx$	
4	$23 \times 12 \approx$		26	$43 \times 34 \approx$	
5	$23 \times 22 \approx$		27	$53 \times 34 \approx$	
6	$23 \times 32 \approx$		28	$53 \times 31 \approx$	
7	$23 \times 42 \approx$		29	$53 \times 51 \approx$	
8	$37 \times 13 \approx$		30	$93 \times 31 \approx$	
9	$37 \times 23 \approx$		31	$913 \times 31 \approx$	
10	$36 \times 24 \approx$		32	$73 \times 31 \approx$	
11	$24 \times 36 \approx$		33	$723 \times 31 \approx$	
12	$43 \times 11 \approx$		34	$78 \times 34 \approx$	
13	$43 \times 21 \approx$		35	$798 \times 34 \approx$	
14	$403 \times 21 \approx$		36	$62 \times 33 \approx$	
15	$303 \times 21 \approx$		37	$642 \times 33 \approx$	
16	$203 \times 21 \approx$		38	$374 \times 64 \approx$	
17	$41 \times 11 \approx$		39	$64 \times 374 \approx$	
18	$41 \times 21 \approx$		40	$740 \times 36 \approx$	
19	$41 \times 31 \approx$		41	$750 \times 36 \approx$	
20	$401 \times 31 \approx$		42	$65 \times 680 \approx$	
21	$501 \times 31 \approx$		43	$849 \times 84 \approx$	
22	$601 \times 31 \approx$		44	$85 \times 849 \approx$	

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Name _____

Date _____

1. Draw an area model and then solve using the standard algorithm. Use arrows to match the partial products from the area model to the partial products of the algorithm.

a. 34×21

$$\begin{array}{r} 34 \\ \times 21 \\ \hline \end{array}$$

b. 434×21

$$\begin{array}{r} 434 \\ \times 21 \\ \hline \end{array}$$

2. Solve using the standard algorithm.

a. $431 \times 12 = \underline{\hspace{2cm}}$

b. $123 \times 23 = \underline{\hspace{2cm}}$

c. $312 \times 32 = \underline{\hspace{2cm}}$

- Betty saves \$161 a month. She saved \$141 less each month than Jack. How much will Jack save in 2 years?
- Farmer Brown feeds 12.1 kg of alfalfa to each of his 2 horses daily. How many kilograms of alfalfa will all his horses have eaten after 21 days? Draw an area model to solve.

Name _____

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1. Complete the area model then solve using the standard algorithm.

a. $21 \times 23 =$ _____

$$\begin{array}{r} 21 \\ \times 23 \\ \hline \end{array}$$

b. $143 \times 12 =$ _____

$$\begin{array}{r} 143 \\ \times 12 \\ \hline \end{array}$$

Name _____

Date _____

1. Draw an area model then solve using the standard algorithm. Use arrows to match the partial products from the area model to the partial products in the algorithm.

a. $24 \times 21 =$ _____

$$\begin{array}{r} 24 \\ \times 21 \\ \hline \end{array}$$

b. $242 \times 21 =$ _____

$$\begin{array}{r} 242 \\ \times 21 \\ \hline \end{array}$$

2. Solve using the standard algorithm.

a. $314 \times 22 =$ _____

b. $413 \times 22 =$ _____

c. $213 \times 32 =$ _____

3. A young snake measures 0.23 m long. During the course of his lifetime, he will grow to be 13 times his current length. What will his length be when he's full grown?
4. Zenin earns \$142 per shift at his new job. During a pay period, he works 12 shifts. What would his pay be for that period?