-Multiplying Using the Standard Algorithm-

Solve the following problems using the standard algorithm.

$$\begin{array}{r} 317 \\ \times\ 42 \\ \hline \end{array}$$

$$\begin{array}{r} 23 \\ \times\ 14 \\ \hline \end{array}$$

$$\begin{array}{r} 157 \\ \times\ 56 \\ \hline \end{array}$$

$$\begin{array}{r} 25 \\ \times\ 19 \\ \hline \end{array}$$

$$\begin{array}{r} 823 \\ \times\ 16 \\ \hline \end{array}$$

$$\begin{array}{r} 54 \\ \times\ 12 \\ \hline \end{array}$$

$$\begin{array}{r} 157 \\ \times\ 23 \\ \hline \end{array}$$

$$\begin{array}{r} 29 \\ \times\ 42 \\ \hline \end{array}$$

Grade 5

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More Estimate & Check Problems

1 Think about rounding to estimate the answers to the problems below. Then rewrite each problem vertically and solve it using the standard algorithm. Check your answer against your estimate to make sure that it is reasonable.

Problem	**ex** 63 × 24	**a** 39 × 19	**b** 28 × 38
Estimate	60 × 25 = 1,500		
Solution	$\begin{array}{r} \overset{1}{6}3 \\ \times\ 24 \\ \hline 252 \\ +\ 1,260 \\ \hline 1,512 \end{array}$		
Problem	**c** 89 × 22	**d** 71 × 52	**e** 62 × 42
Estimate			
Solution			

CHALLENGE

2 Circle the two numbers whose product is 627.

13

19

33

49

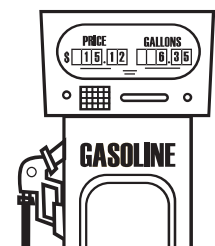NAME _____   DATE _____

Race Car Problems

1 Race cars can drive about 5 miles on one gallon of gasoline. If a race car goes 265 miles in one race, about how many gallons of gasoline will it use? Show all your work.

2 There were 43 cars in the race. They all finished the 265 miles of the race and used about 1 gallon of gas to go 5 miles. About how many gallons of gas did the cars use altogether to finish the race? Show all your work.

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Division on a Base-Ten Grid

1 Complete the following multiplication problems.

14	14	14	14	14	14
× 2	× 3	× 10	× 5	× 20	× 30

2 Solve the following division problems. Use the multiplication problems above and the grids to help.

a 322 ÷ 14 = _____
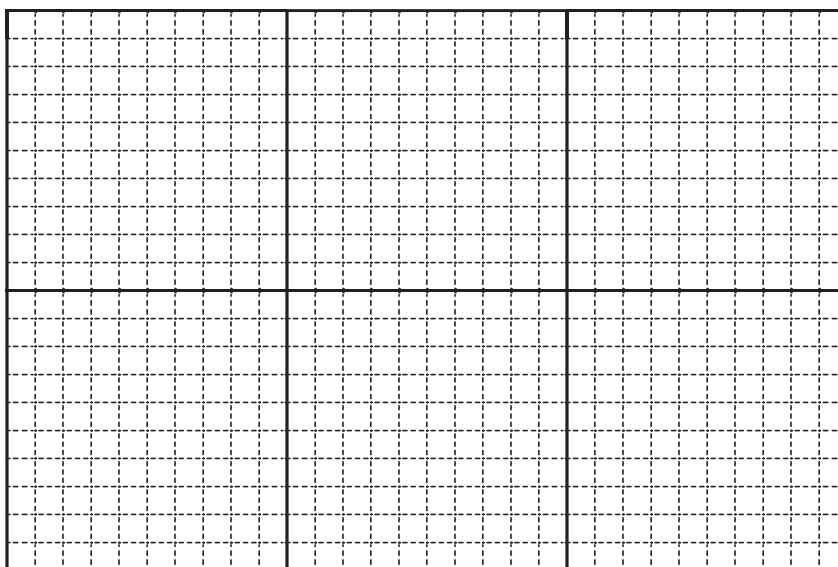
b 238 ÷ 14 = _____
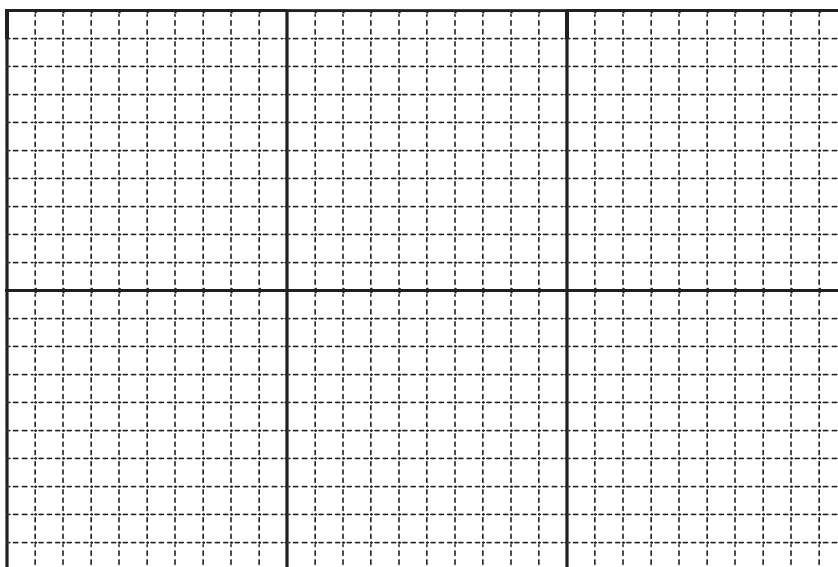
NAME _____   DATE _____

Division with Menus & Sketches

1 Fill in the mutiplication menu.

a 1 × 19 = _____   **b** 2 × 19 = _____   **c** 10 × 19 = _____

d 5 × 19 = _____   **e** 20 × 19 = _____   **f** 15 × 19 = _____

2 Solve the two division problems using the menu above and sketches to help.
You can add to the menu if you want to.

ex 304 ÷ 19 = ___16___	**a** 608 ÷ 19 = _____	**b** 456 ÷ 19 = _____
Computation: $\begin{array}{r}1\\5\\10\end{array}\Big]16$ 19 ⟌ 304 − 190 114 − 95 19 − 19 0	Computation:	Computation:
Sketch: 10 5 1 19 ⟌ 190	Sketch:	Sketch:

3 If you need to, use the divisibility rules on page 67 to help answer these.

a Are any of the numbers above (304, 608, 456) divisible by 3? If so, list them here:

b Are any of the numbers above divisible by 6? If so, list them here:

c Are any of the numbers above divisible by 9? If so, list them here:

Practice Book Use anytime after Bridges, Unit 4, Session 10.

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More Division Story Problems

1 A group of migrating geese travels at about 40 miles per hour. About how many hours of flying will it take them to go 320 miles? Show all your work.

2 Ellie is reading a book that is 257 pages long. If she reads 30 pages every day, how many days will it take her to read the whole book? Show all your work.

3 Paulo made some candies that he is going to sell at the market. He is putting 20 candies in a bag. If he has 187 candies altogether, how many bags can he fill? Show all your work.

CHALLENGE

4 A group of robins took 78 days to fly 3,000 miles. On average, about how many miles did the robins fly each day? Explain why your estimate is reasonable.