

Name _____

Divide by 2-Digit Divisors**Divide. Check your answer.****COMMON CORE STANDARD—5.NBT.6***Perform operations with multi-digit whole numbers and with decimals to hundredths.*

1. $385 \div 12$

$$\begin{array}{r} 32 \text{ r}1 \\ 12 \overline{)385} \\ \underline{-36} \\ 25 \\ \underline{-24} \\ 1 \end{array}$$

2. $837 \div 36$

3. $1,650 \div 55$

4. $5,634 \div 18$

5. $7,231 \div 24$

6. $5,309 \div 43$

7. $37 \overline{)3,774}$

8. $54 \overline{)1,099}$

9. $28 \overline{)6,440}$

10. $52 \overline{)5,256}$

11. $85 \overline{)1,955}$

12. $46 \overline{)5,624}$

Problem Solving

13. The factory workers make 756 machine parts in 36 hours. Suppose the workers make the same number of machine parts each hour. How many machine parts do they make each hour?
- _____

14. One bag holds 12 bolts. Several bags filled with bolts are packed into a box and shipped to the factory. The box contains a total of 2,760 bolts. How many bags of bolts are in the box?
- _____

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Interpret the Remainder**COMMON CORE STANDARD—5.NF.3**
*Apply and extend previous understandings of multiplication and division to multiply and divide fractions.***Interpret the remainder to solve.**

- Warren spent 140 hours making 16 wooden toy trucks for a craft fair. If he spent the same amount of time making each truck, how many hours did he spend making each truck?
- Marcia has 412 bouquets of flowers for centerpieces. She uses 8 flowers for each centerpiece. How many centerpieces can she make?

$$\begin{array}{r} 8 \\ 16 \overline{)140} \\ \underline{-128} \\ 12 \end{array}$$

$8\frac{3}{4}$ hours

- On the 5th grade class picnic, 50 students share 75 sandwiches equally. How many sandwiches does each student get?
 - One plant container holds 14 tomato seedlings. If you have 1,113 seedlings, how many containers do you need to hold all the seedlings?
-

Problem Solving

- Fiona bought 212 stickers to make a sticker book. If she places 18 stickers on each page, how many pages will her sticker book have?
 - Jenny has 220 ounces of cleaning solution that she wants to divide equally among 12 large containers. How much cleaning solution should she put in each container?
-

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Adjust Quotients**COMMON CORE STANDARD—5.NBT.6***Perform operations with multi-digit whole numbers and with decimals to hundredths.***Adjust the estimated digit in the quotient, if needed. Then divide.**

$$\begin{array}{r} 1. \quad \begin{array}{r} 5 \\ 16 \overline{)976} \\ -80 \\ \hline 17 \end{array} \end{array}$$

$$2. \quad \begin{array}{r} 3 \\ 24 \overline{)689} \end{array}$$

$$3. \quad \begin{array}{r} 3 \\ 65 \overline{)2,210} \end{array}$$

$$4. \quad \begin{array}{r} 2 \\ 38 \overline{)7,035} \end{array}$$

$$\begin{array}{r} 61 \\ 16 \overline{)976} \\ -96 \\ \hline 16 \\ -16 \\ \hline 0 \end{array}$$

Divide.

5. $2,961 \div 47$

6. $2,072 \div 86$

7. $1,280 \div 25$

8. $31 \overline{)1,496}$

9. $86 \overline{)6,290}$

10. $95 \overline{)4,000}$

11. $44 \overline{)2,910}$

12. $82 \overline{)4,018}$

Problem Solving

13. A copier prints 89 copies in one minute. How long does it take the copier to print 1,958 copies?

14. Erica is saving her money to buy a dining room set that costs \$580. If she saves \$29 each month, how many months will she need to save to have enough money to buy the set?

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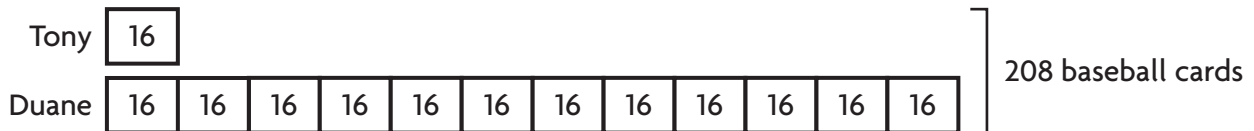
Problem Solving • Division



COMMON CORE STANDARD—5.NBT.6
Perform operations with multi-digit whole numbers and with decimals to hundredths.

Show your work. Solve each problem.

1. Duane has 12 times as many baseball cards as Tony. Between them, they have 208 baseball cards. How many baseball cards does each boy have?



$$208 \div 13 = 16$$

Tony: 16 cards; Duane: 192 cards

2. Hallie has 10 times as many pages to read for her homework assignment as Janet. Altogether, they have to read 264 pages. How many pages does each girl have to read?

3. Hank has 48 fish in his aquarium. He has 11 times as many tetras as guppies. How many of each type of fish does Hank have?

4. Kelly has 4 times as many songs on her music player as Lou. Tiffany has 6 times as many songs on her music player as Lou. Altogether, they have 682 songs on their music players. How many songs does Kelly have?
