Lesson 5-1: Use Patterns and Mental Math to Divide
Solve and Share

Content Standard: 5.NBT.B.6
I Can Statement: I can use patterns to find quotients.

A bakery sells muffins to local grocery stores in boxes that hold 20 muffins each. How many boxes are used if 60 muffins are sold? 600 muffins? 6,000 muffins?

Lesson 5-1: Independent Practice

Find each quotient.

3. 210 ÷ 30 =
4. 480 ÷ 60 =
5. 15,000 ÷ 30 =
6. 8,100 ÷ 90 =
7. 2,800 ÷ 70 =
8. 30,000 ÷ 50 =
9. 1,800 ÷ 60 =
10. 560 ÷ 70 =
11. 360 ÷ 60 =
12. 6,000 ÷ 50 =
13. 24,000 ÷ 60 =
14. 2,000 ÷ 20 =
15. 6,300 ÷ 90 =
16. ____ ÷ 10 = 24
17. 21,000 ÷ ____ = 700
18. 2,500 ÷ 50 =
19. 72,000 ÷ ____ = 800
20. 56,000 ÷ ____ = 800

Lesson 5-2: Estimate Quotients with 2-Digit Divisors
Solve and Share

Content Standard: 5.NBT.B.6
I Can Statement: I can estimate quotients

Kyle's school needs to buy posters for a fundraiser. The school has a budget of $147. Each poster cost $13. About how many posters can his school buy?

Lesson 5-2: Independent Practice

Estimate to find each quotient.

8. $412 \div 84$
   $400 \div \square = \square$

9. $288 \div 37$
   $280 \div \square = \square$

10. $2{,}964 \div 73$
    $2{,}800 \div \square = \square$

11. $228 \div 19$

12. $1{,}784 \div 64$

13. $7{,}260 \div 83$

14. $2{,}280 \div 12$

15. $485 \div 92$

16. $540 \div 61$

17. $1{,}710 \div 32$

18. $2{,}740 \div 67$

19. $4{,}322 \div 81$

Lesson 5-3: Use Models to Divide with 2-Digit Divisors
Solve and Share

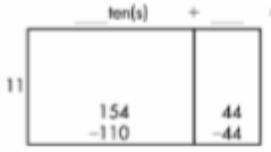
Content Standard: 5.NBT.B.6
I Can Statement: I can use models to help find quotients.

A parking lot has 270 parking spaces. Each row has 18 parking spaces. How many rows are in this parking lot?

Lesson 5-3: Independent Practice

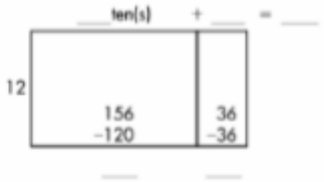
Draw a picture to help you solve the following equations.

1. Write the missing numbers to find 154 ÷ 11.



So, 154 ÷ 11 = ___

3. Use the model to find 156 ÷ 12.



So, 156 ÷ 12 = ___

7. 342 ÷ 38

8. 720 ÷ 16

9. 608 ÷ 19

10. 752 ÷ 47

11. 375 ÷ 25

12. 576 ÷ 24

Lesson 5-4: Use Partial Quotients to Divide
Solve and Share

Content Standard: 5.NBT.B.6
I Can Statement: I can find quotients of whole numbers.

A hotel sets up tables for a conference for 156 people. If each table seats 12 people, how many tables are needed? Solve this problem any way you choose.

Lesson 5-4: Independent Practice

Solve these problems any way you choose.

3. $15\overline{)210}$
4. $13\overline{)286}$
5. $25\overline{)575}$
6. $32\overline{)960}$

9. $11\overline{)132}$
10. $21\overline{)840}$
11. $16\overline{)304}$
12. $32\overline{)480}$

13. $23\overline{)713}$
14. $30\overline{)660}$
15. $43\overline{)731}$
16. $16\overline{)608}$

Lesson 5-5: Divide by Multiples of 10
Solve and Share

Content Standard: 5.NBT.B.6
I Can Statement: I can find the quotient when the divisor is a multiple of 10.

Cameron's soccer team has $168 to buy uniforms that cost $20 each. How many uniforms can his team buy? Will there be any money left over?

Lesson 5-5: Independent Practice

Divide using any strategy you choose.

1) $20\overline{)300}$

2) $60\overline{)593}$

3) $30\overline{)360}$

4) $40\overline{)453}$

5) $50\overline{)250}$

6) $70\overline{)867}$

7) $60\overline{)720}$

8) $80\overline{)492}$

9) $40\overline{)375}$

Lesson 5-6: Use Estimation to Place the First Digit of the Quotient
Solve and Share

Content Standard: 5.NBT.B.6
I Can Statement: I can decide where to place the first digit of the quotient when I divide whole numbers.

Marty's teacher asked students to predict how many digits are in the quotient of a division problem. All of the quotients are whole numbers. Draw lines to the buckets to show how the students should sort the cards. Do not solve the problems, just use reasoning to make an estimated guess.

Lesson 5-6: Independent Practice

Without completing the problem, tell which place value to first digit of the quotient will be in. Then, solve.

1) 4,632 ÷ 15

2) 3,332 ÷ 30

3) $25\overline{)1,013}$

4) $40\overline{)916}$

5) $16\overline{)3,418}$

6) $50\overline{)1,577}$

7) $24\overline{)8,045}$

8) 7,905 ÷ 35

9) 5,500 ÷ 90

10) 2,838 ÷ 11

11) $46\overline{)875}$

12) $28\overline{)1,240}$

Lesson 5-7: Divide by 2-Digit Divisors
Solve and Share

Content Standard: 5.NBT.B.6
I Can Statement: I can use estimation to decide if a quotient is reasonable when dividing by 2-digit divisors.

A bakery needs to make a batch of 198 bagels. Each baking sheet holds the same number of bagels. How many sheets are needed if each sheet holds 18 bagels?

Lesson 5-7: Independent Practice

Solve any way you choose.

1) $452 \div 21$

2) $21\overline{)452}$

3) $18\overline{)468}$

4) $94\overline{)658}$

5) $41\overline{)9227}$

6) $54\overline{)378}$

7) $83\overline{)664}$

8) $761 \div 5$

9) $7{,}830 \div 33$

10) $3{,}136 \div 64$

11) $6{,}253 \div 71$

12) $7{,}704 \div 24$