CHAPTER

8 Division

Lesson 8.1 Mental Division

**Think of the multiplication facts for 6, 7, 8, and 9.
Then fill in the missing numbers.**

1. _____ $\times$ 6 = 48   48 $\div$ 6 = _____

2. _____ $\times$ 8 = 72   72 $\div$ 8 = _____

3. _____ $\times$ 7 = 56   56 $\div$ 7 = _____

4. _____ $\times$ 9 = 54   54 $\div$ 9 = _____

5. _____ $\times$ 7 = 49   49 $\div$ 7 = _____

6. _____ $\times$ 6 = 54   54 $\div$ 6 = _____

7. _____ $\times$ 8 = 64   64 $\div$ 8 = _____

8. _____ $\times$ 7 = 63   63 $\div$ 7 = _____

9. _____ $\times$ 6 = 42   42 $\div$ 6 = _____

10. _____ $\times$ 9 = 81   81 $\div$ 9 = _____

Fill in the blanks.

11. $360 \div 9 =$ _____ tens $\div$ 9

= _____ tens

= _____

12. $800 \div 4 =$ _____ hundreds $\div$ 4

= _____ hundreds

= _____

Divide. Use related multiplication facts and patterns to help you.

13. $48 \div 8 =$ _____

14. $480 \div 8 =$ _____

15. $21 \div 7 =$ _____

16. $210 \div 7 =$ _____

17. $36 \div 9 =$ _____

18. $360 \div 9 =$ _____

19. $240 \div 6 =$ _____

20. $420 \div 7 =$ _____

21. $350 \div 5 =$ _____

22. $720 \div 9 =$ _____
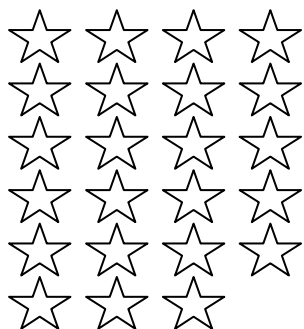
23. $810 \div 9 =$ _____

24. $640 \div 8 =$ _____

Lesson 8.2   Quotient and Remainder

Circle equal groups and find the remainder.
Then fill in the missing numbers.

1.

4 children share 23 stickers equally.

23 ones ÷ 4 = [   ] R [   ]

Quotient = [   ] ones

Remainder = [   ] ones

Each child has _____ stickers.

There are _____ stickers left over.

2.
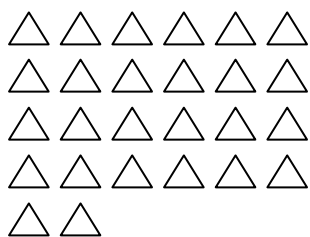
6 friends share 26 slices of pizza equally.

26 ones ÷ 6 = [   ] R [   ]

Quotient = [   ] ones

Remainder = [   ] ones

Each friend has _____ pizza slices.

There are _____ pizza slices left over.

Find the missing numbers.

3. $39 \div 8 =$ ⬜ R ⬜

4. $35 \div 4 =$ ⬜ R ⬜

5. $59 \div 9 =$ ⬜ R ⬜

6. $60 \div 7 =$ ⬜ R ⬜

7. $68 \div 8 =$ ⬜ R ⬜

8. $70 \div 9 =$ ⬜ R ⬜

9. $63 \div 6 =$ ⬜ R ⬜

10. $42 \div 5 =$ ⬜ R ⬜

11. $28 \div 3 =$ ⬜ R ⬜

12. $53 \div 7 =$ ⬜ R ⬜

Lesson 8.3   Odd and Even Numbers

Fill in the missing numbers. Use each digit only once in each number.

1. Kerri uses the digits 7, 5, 4, and 8.
    Help Kerri write down all possible

    a. 4-digit odd numbers

    b. 4-digit even numbers

Odd Numbers	Even Numbers

2. Megan uses the digits 6, 3, 0, and 7.
    Help Megan form the:

    a. greatest 4-digit odd number.

    b. greatest 4-digit even number.

    c. smallest 4-digit odd number.

    d. smallest 4-digit even number.

3. Talia uses the digits 5, 9, 0, 4, and 8.
Help Talia form the:

a. greatest 2-digit odd number.

b. smallest 2-digit even number.

c. greatest 3-digit odd number.

d. greatest 3-digit even number.

e. smallest 3-digit odd number.

f. smallest 3-digit even number.

g. greatest 4-digit even number.

h. smallest 4-digit odd number.

Lesson 8.4   Division Without Remainder and Regrouping

Divide. Then solve.

1.

$4\overline{)84}$

E

2.

$3\overline{)36}$

N

3.

$2\overline{)68}$

L

4.

$3\overline{)99}$

I

5.

$4\overline{)88}$

K

6.

$7\overline{)70}$

H

7.

$3\overline{)96}$

S

8.

$5\overline{)55}$

T

9.

$2\overline{)86}$

A

10.

$3\overline{)69}$

P

11.

$2\overline{)82}$

M

12.

$3\overline{)60}$

J

Which animal can carry its home on its back?

___ ___ ___   ___ ___ ___ ___ ___
(11) (10) (21) (32) (12) (43) (33) (34)

Solve. Show your work.

13.   Renee bakes 63 snacks.
          She puts them equally into 3 jars.
          How many snacks are there in each jar?

14.   Calvin arranges 80 chairs into 8 equal rows.
          How many chairs are there in each row?

Name: _____   **Date:** _____

Lesson 8.5   Division with Regrouping in Tens and Ones

Divide. Use base-ten blocks to help you.

1. $2\overline{)6\,8}$ **C**

2. $3\overline{)8\,7}$ **A**

3. $4\overline{)6\,8}$ **O**

4. $2\overline{)8\,4}$ **T**

5. $8\overline{)9\,6}$ **D**

6. $7\overline{)9\,1}$ **E**

7. $7\overline{)8\,4}$ **D**

8. $5\overline{)9\,5}$ **N**

9. $4\overline{)7\,2}$ **S**

10. $6\overline{)9\,6}$ **R**

11. $4\overline{)9\,6}$ **G**

12. $2\overline{)5\,8}$ **A**

Give one reason why some people do not put an ad in the newspaper when they lose their dog.

Match the letters to the quotients below to find out.

____ ____ ____ ____   ____ ____ ____ , ____
(12) (17) (24) (18)   (34) (29) (19)   (42)
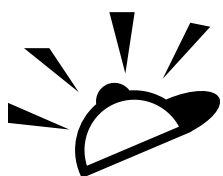
____ ____ ____ ____!
(16) (13) (29) (12)

Solve. Show your work.

13. A grocer sells 72 plums in 3 days.
He sells the same number of plums everyday.
How many plums does the grocer sell in a day?

14. Mr. Tee arranges 64 chairs equally into 4 circles.
How many chairs are there in each circle?

Put on Your Thinking Cap!

1.   Sharon is thinking of a number.
It is an even number between 300 and 400.
It is divisible by 5 and also by 9.
What number is Sharon thinking of?

> 301, 302, 303, ..., 395, 396, 397, 398, 399

2. Granny has some stickers.
If she gives 6 stickers to each of her grandchildren,
she will have 5 stickers left.
If she gives 7 stickers to each of her grandchildren,
she will need 2 more stickers.

a. How many stickers does Granny have?

b. How many grandchildren does Granny have?

Find the missing numbers.

3.

I am a 2-digit odd number.
I am between 50 and 100.
The difference between my digits is 3.
I do not leave a remainder when divided by 7.

I am _____.

4.

I am a 2-digit odd number.
I am less than 50.
The sum of my digits is 9.
I do not leave a remainder when divided by 5.

I am _____.