7 $\begin{array}{r} 1\ 6\ 7 \\ \times\ \ \ \ 3 \\ \hline \end{array}$ •

8 $\begin{array}{r} 1\ 3\ 9 \\ \times\ \ \ \ 7 \\ \hline \end{array}$ •

9 $\begin{array}{r} 2\ 5\ 4 \\ \times\ \ \ \ 3 \\ \hline \end{array}$ •

10 $\begin{array}{r} 2\ 3\ 4 \\ \times\ \ \ \ 4 \\ \hline \end{array}$ •

11 $\begin{array}{r} 4\ 3\ 2 \\ \times\ \ \ \ 7 \\ \hline \end{array}$ •

12 $\begin{array}{r} 3\ 7\ 6 \\ \times\ \ \ \ 6 \\ \hline \end{array}$ •

13 $\begin{array}{r} 1\ 9\ 8 \\ \times\ \ \ \ 9 \\ \hline \end{array}$ •

14 $\begin{array}{r} 2\ 3\ 7 \\ \times\ \ \ \ 8 \\ \hline \end{array}$ •

• 3,024

• 1,782

• 2,256

• 1,896

• 501

• 936

• 762

• 973

6 A school sets aside $4,756 for its sports fund.
It sets aside $1,297 less for its library fund.

a   How much money is in the library fund?

b $948 is spent from the library fund.
How much money is left in the library fund?

Chapter 5

Extra Practice and Homework
Multiplication

Activity 3   Multiplying with Regrouping

Multiply and match.

1
$$
\begin{array}{r}
2\ 3 \\
\times\quad 4 \\
\hline
\end{array}
$$
•   • [648]

2
$$
\begin{array}{r}
7\ 9 \\
\times\quad 4 \\
\hline
\end{array}
$$
•   • 565

3
$$
\begin{array}{r}
9\ 6 \\
\times\quad 8 \\
\hline
\end{array}
$$
•   • 92

4
$$
\begin{array}{r}
1\ 1\ 3 \\
\times\quad 5 \\
\hline
\end{array}
$$
•   • 654

5
$$
\begin{array}{r}
3\ 2\ 7 \\
\times\quad 2 \\
\hline
\end{array}
$$
•   • 316

6
$$
\begin{array}{r}
1\ 0\ 8 \\
\times\quad 6 \\
\hline
\end{array}
$$
•   • 768

5 Anya's rope is 1,831 centimeters long.
Jack's rope is 379 centimeters shorter than Anya's rope.

a   How long is Jack's rope?
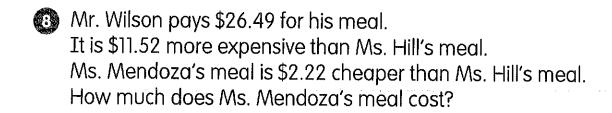
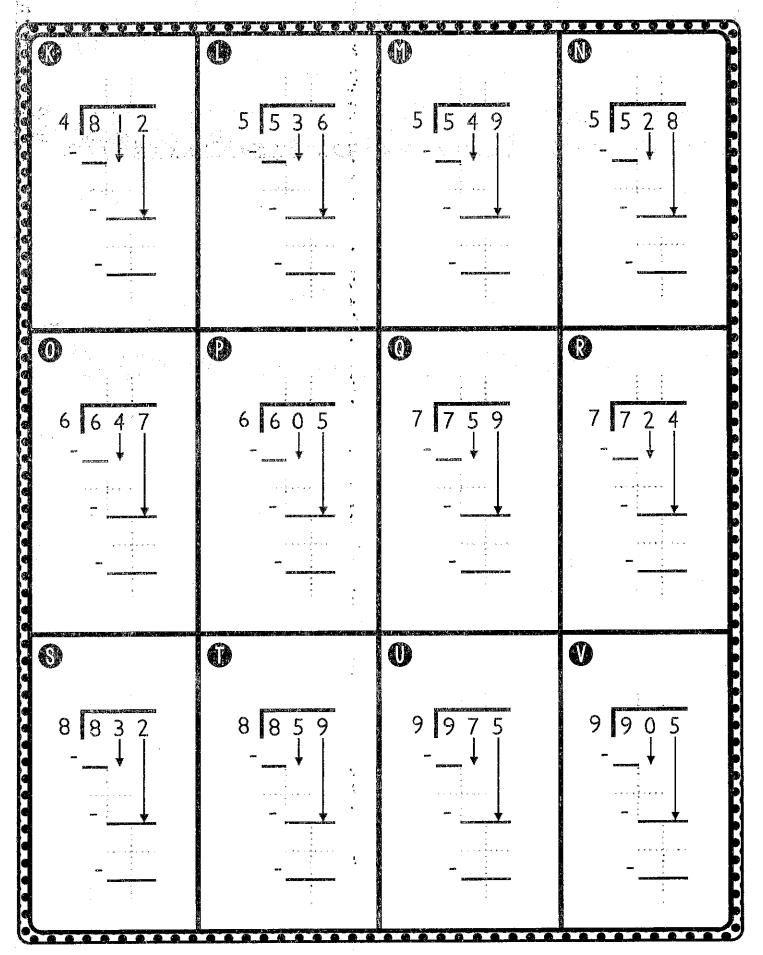b   Jack uses 645 centimeters of his rope.
How long is his remaining rope?

Multiply.

7
$$
\begin{array}{r}
2\ 1 \\
\times\quad 5 \\
\hline
\end{array}
$$

8
$$
\begin{array}{r}
3\ 0 \\
\times\quad 8 \\
\hline
\end{array}
$$

9
$$
\begin{array}{r}
4\ 2 \\
\times\quad 3 \\
\hline
\end{array}
$$

10
$$
\begin{array}{r}
1\ 1\ 0 \\
\times\quad 6 \\
\hline
\end{array}
$$

11
$$
\begin{array}{r}
1\ 1\ 1 \\
\times\quad 5 \\
\hline
\end{array}
$$

12
$$
\begin{array}{r}
1\ 3\ 2 \\
\times\quad 3 \\
\hline
\end{array}
$$

13
$$
\begin{array}{r}
2\ 1\ 2 \\
\times\quad 4 \\
\hline
\end{array}
$$

14
$$
\begin{array}{r}
1\ 0\ 1 \\
\times\quad 4 \\
\hline
\end{array}
$$

15
$$
\begin{array}{r}
3\ 1\ 2 \\
\times\quad 2 \\
\hline
\end{array}
$$

16
$$
\begin{array}{r}
1\ 1\ 2 \\
\times\quad 3 \\
\hline
\end{array}
$$

7 A farm harvested 5,461 potatoes and 2,539 apples.
The workers packed 3,850 potatoes and apples into boxes.

a   How many potatoes and apples did the farm harvest
     in all?

b   How many potatoes and apples were left unpacked?

8 Mr. Wilson pays $26.49 for his meal.
It is $11.52 more expensive than Ms. Hill's meal.
Ms. Mendoza's meal is $2.22 cheaper than Ms. Hill's meal.
How much does Ms. Mendoza's meal cost?

K. 4)8 1 2

L. 5)5 3 6

M. 5)5 4 9

N. 5)5 2 8

O. 6)6 4 7

P. 6)6 0 5

Q. 7)7 5 9

R. 7)7 2 4

S. 8)8 3 2

T. 8)8 5 9

U. 9)9 7 5

V. 9)9 0 5

🎯 8f Maintaining Mixed Facts

Solve.

① 8 + 3 = _____

② 9 × 2 = _____

③ 5 − 3 = _____

④ 9 ÷ 3 = _____

⑤ 2 + 5 = _____

⑥ 45 ÷ 9 = _____

⑦ 8 × 5 = _____

⑧ 24 ÷ 6 = _____

⑨ 10 + 4 = _____

⑩ 17 − 9 = _____

⑪ 8 + 6 = _____

⑫ 14 − 7 = _____

⑬ 64 ÷ 8 = _____

⑭ 8 × 2 = _____

⑮ 7 − 6 = _____

🎯 8e Maintaining Division Facts

Solve.

1 $9\overline{)81}$ **2** $6\overline{)36}$ **3** $7\overline{)49}$ **4** $8\overline{)64}$

5 $2\overline{)12}$ **6** $3\overline{)18}$ **7** $7\overline{)21}$ **8** $9\overline{)27}$

9 $6\overline{)30}$ **10** $5\overline{)20}$ **11** $6\overline{)24}$ **12** $8\overline{)32}$

13 $8\overline{)48}$ **14** $6\overline{)54}$ **15** $10\overline{)100}$ **16** $5\overline{)10}$

🎯 6c Mixed Facts

Solve.

1. $9 - 2 = $ _____

2. $3 \times 8 = $ _____

3. $7 \times 2 = $ _____

4. $4 + 6 = $ _____

5. $10 + 5 = $ _____

6. $64 \div 8 = $ _____

7. $9 \times 3 = $ _____

8. $81 \div 9 = $ _____

9. $6 + 7 = $ _____

10. $12 - 8 = $ _____

11. $6 + 6 = $ _____

12. $6 - 5 = $ _____

13. $32 \div 4 = $ _____

14. $4 \times 5 = $ _____

15. $8 - 3 = $ _____

🎯 6d Mixed Facts

Write the related fact families.

1. $5 + 8 = $ ___ $8 + 5 = $ ___   ___ $-$ ___ $=$ ___   ___ $-$ ___ $=$ ___

2. $3 \times 9 = $ ___ $9 \times 3 = $ ___   ___ $\div 9 = $ ___   ___ $\div 3 = $ ___

Write the missing symbols (+, −, ×, or ÷) in each number sentence.

3. $20 \bigcirc 5 = 4$ $20 \bigcirc 4 = 5$ $4 \bigcirc 5 = 20$ $5 \bigcirc 4 = 20$

4. $9 \bigcirc 4 = 13$ $4 \bigcirc 9 = 13$ $13 \bigcirc 4 = 9$ $13 \bigcirc 9 = 4$

5. ⚙️ Think of a fact family that has only 2 facts. Explain why it has only 2 facts.

_____

_____

_____

<img> 6e Mixed Facts Puzzle

Fill in the blanks to make the puzzle work.

4	×		+	5	=	17
−	▓	×	▓	×		
	×	3	−		=	5
+	▓	+	▓	×		
	×	8	−	1	=	55

=		=		=
9		17		5
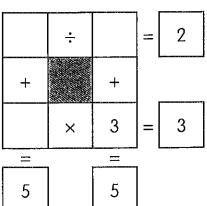
<img> 6f Mixed Facts Puzzle

Do the first puzzle. Then, create your own.

(1)

	÷		=	2
+	▓	+		
	×	3	=	3

=		=
5		5

(2)

	÷		=	
+	▓	+		
	×	3	=	

=		=

(◎) 6g Multiplying

Solve these as quickly as you can. Use your strategies to help you.

1. $6 \times 8 = \underline{\hspace{1cm}}$
2. $7 \times 9 = \underline{\hspace{1cm}}$
3. $7 \times 6 = \underline{\hspace{1cm}}$
4. $8 \times 7 = \underline{\hspace{1cm}}$
5. $8 \times 8 = \underline{\hspace{1cm}}$
6. $9 \times 8 = \underline{\hspace{1cm}}$
7. $6 \times 9 = \underline{\hspace{1cm}}$
8. $6 \times 6 = \underline{\hspace{1cm}}$
9. $7 \times 7 = \underline{\hspace{1cm}}$
10. $9 \times 9 = \underline{\hspace{1cm}}$
11. $8 \times 6 = \underline{\hspace{1cm}}$
12. $9 \times 6 = \underline{\hspace{1cm}}$
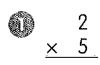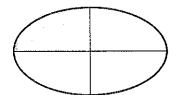
Choose one problem from above. Explain the strategy you used to solve it.

13. Problem: _____

    Strategy: _____
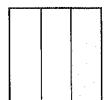
(◎) 6h Maintaining Multiplication and Division Facts

Solve.

1. $\begin{array}{r} 2 \\ \times\ 5 \\ \hline \end{array}$

2. $\begin{array}{r} \square \\ \times\ \ 5 \\ \hline 1\ \ 5 \end{array}$

3. $\begin{array}{r} 1 \\ \times\ 9 \\ \hline \end{array}$

4. $\begin{array}{r} 10 \\ \times\ \ 6 \\ \hline \end{array}$

5. $\begin{array}{r} \square \\ \times\ \ 8 \\ \hline 5\ \ 6 \end{array}$

6. $\begin{array}{r} 7 \\ \times\ \square \\ \hline 6\ \ 3 \end{array}$

③ _____

④ _____

⑤ Divide the rectangle below into 2, 3, or 4 equal parts. Shade one or more parts to make a fraction. Then, fill in the blank.

My fraction is _____.

🧩 7b Fractions

Match each fraction to its picture.

① $\frac{1}{2}$ •

② $\frac{1}{5}$ •

③ $\frac{1}{3}$ •

④ $\frac{1}{4}$ •

⑤ $\frac{1}{7}$ •

Rounding to the nearest 100

Round the numbers to the nearest hundred.

Round Down	Round Up
0 49	50 99
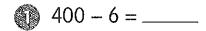
1536 ___   5367 ___   3525 ___

2418 ___   6306 ___   3356 ___

8990 ___   2406 ___   4311 ___

5219 ___   3698 ___   9051 ___

2231 ___   5821 ___   1098 ___

7089 ___   1245 ___   6721 ___

               3243 ___   8094 ___

               6643 ___   2358 ___

               1195 ___   3272 ___

               9086 ___   2257 ___

Sometimes, I need to regroup hundreds, tens, <u>and</u> ones before I can solve the problem!

Solve.

1. $400 - 6 =$ _____

2. $305 - 8 =$ _____

3.
$$\begin{array}{r} 505 \\ -\ 307 \\ \hline \end{array}$$

4.
$$\begin{array}{r} 902 \\ -\ 604 \\ \hline \end{array}$$

5.
$$\begin{array}{r} 708 \\ -\ 529 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 920 \\ -\ 325 \\ \hline \end{array}$$

Name: _____ # _____

- 3 digit quotient (with zero)
- 3 digit dividend
- With and without remainder

The steps

EX

$$2\ 0\ 9\ R1$$
$$2\overline{)4\ 1\ 9}$$
$$-\ 4$$
$$0\ 1$$
$$-\ 0$$
$$1\ 9$$
$$-\ 1\ 8$$
$$1$$

÷ Divide
× Multiply
− Subtract
✔ Check
↓ Bring down
↻ Repeat or
R Remainder

A
$$2\overline{)6\ 1\ 4}$$

B
$$2\overline{)8\ 1\ 3}$$

C
$$2\overline{)6\ 1\ 7}$$

D
$$2\overline{)8\ 1\ 8}$$

E
$$3\overline{)6\ 2\ 8}$$

F
$$3\overline{)3\ 0\ 3}$$

G
$$3\overline{)9\ 2\ 6}$$

H
$$4\overline{)4\ 3\ 9}$$

I
$$4\overline{)8\ 2\ 5}$$

J
$$4\overline{)8\ 3\ 6}$$

10g Real-World Time Problems

Solve.
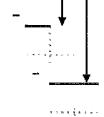
1 It is 4:30 p.m. in Denver. New York City is two hours later than Denver. What time is it in New York City? _____
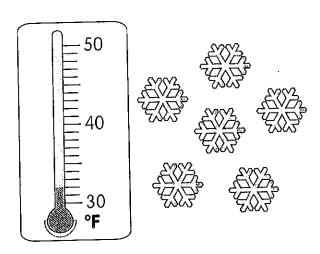
2 Morgan starts her homework at 7:30 p.m. It takes her 1 hour and 15 minutes to complete her homework. What time does she complete it? _____

3 It takes 8 minutes to run a mile. How long does it take to run a marathon which is 26 miles? Show your work.

It takes _____ hours and _____ minutes.

Solve.

1. Snow forms at 32°F. It is 45°F now. How much colder does it have to be for snow to form? Show your work. _____°F

2. On one day in December, it is 72°F in Florida. It is 29°F in Wyoming. How much colder is it in Wyoming than in Florida? Show your work. _____°F
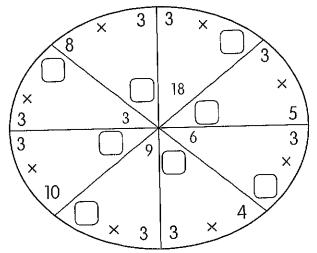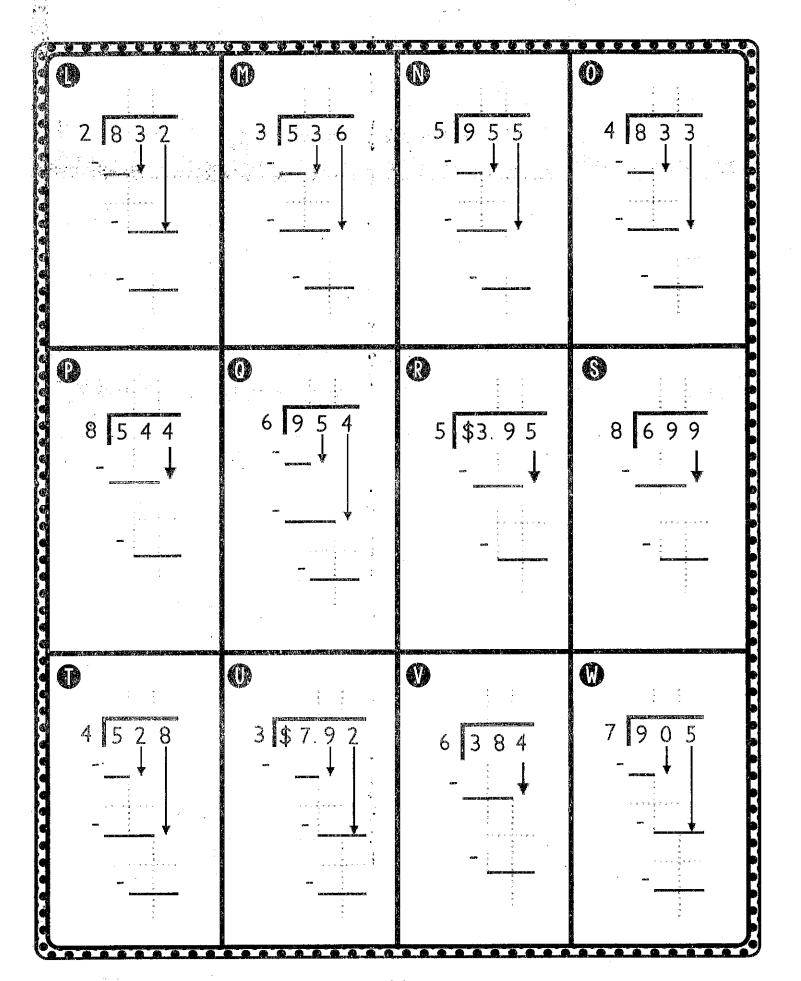
3. Is it more likely to snow in Wyoming or Florida? Explain your answer.

_____

_____

10i   Mixed Practice Puzzle

Use your triangle facts to fill in each box.

L	M	N	O
2) 8 3 2	3) 5 3 6	5) 9 5 5	4) 8 3 3

P	Q	R	S
8) 5 4 4	6) 9 5 4	5) $3.95	8) 6 9 9

T	U	V	W
4) 5 2 8	3) $7.92	6) 3 8 4	7) 9 0 5

22

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⑦ 9)72

⑧ 7)49

⑨ 9)54

⑩ 6)36

⑪ 8)32

⑫ 5)40

🎯 6i Maintaining Multiplication Facts of 2s, 3s, 4s, and 8s

Solve. Look for a pattern to help you.

① $2 \times 4 =$ _____

② $4 \times 4 =$ _____

③ $8 \times 4 =$ _____

④ $3 \times 8 =$ _____

⑤ $3 \times 4 =$ _____

⑥ $3 \times 2 =$ _____

⑦ $2 \times 8 =$ _____

⑧ $4 \times 8 =$ _____

⑨ $8 \times 8 =$ _____

⑩ $5 \times 8 =$ _____

⑪ $5 \times 4 =$ _____

⑫ $5 \times 2 =$ _____

⑬ What pattern did you use to solve the problems?

_____

) Long Division

Name: _____ # _____
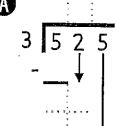
☆ 3 Digit Dividend Mixed Review ☆
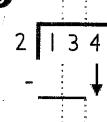
The steps

÷   Divide
×   Multiply
-   Subtract
✔   Check
↓   Bring down
↻   Repeat or
R   Remainder

A   3) 5 2 5

B   2) 1 3 4

C   5) 8 1 3

D   4) $1 . 8 8

E   7) 3 9 2

F   4) 5 5 3

G   6) 8 3 4

H   3) 9 2 5

I   3) 4 3 9

J   4) $7 . 8 4

K   4) 9 5 6

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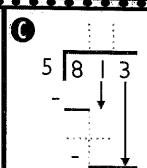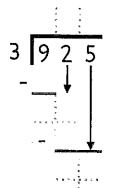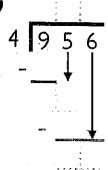
Multiplication Facts to 144 (A)

Name: _____   Date: _____   Score: _____ /100

Calculate each product.

7 × 9	3 × 11	4 × 12	8 × 11	5 × 11	12 × 10	6 × 4	12 × 2	2 × 2	10 × 9
6 × 8	4 × 7	10 × 4	5 × 10	6 × 12	3 × 10	10 × 6	9 × 11	6 × 2	5 × 4
2 × 9	2 × 8	9 × 9	3 × 3	6 × 7	4 × 8	8 × 8	5 × 8	2 × 11	6 × 11
6 × 3	2 × 4	5 × 12	2 × 3	7 × 7	9 × 12	11 × 10	9 × 3	11 × 11	8 × 10
6 × 6	5 × 7	10 × 2	8 × 3	4 × 11	4 × 9	6 × 9	12 × 8	11 × 12	3 × 4
8 × 7	12 × 12	7 × 11	6 × 5	8 × 9	3 × 12	10 × 7	4 × 4	5 × 3	7 × 2
9 × 5	3 × 7	5 × 5	7 × 12	2 × 5	10 × 10	8 × 5	3 × 4	10 × 12	9 × 6
8 × 8	6 × 5	3 × 9	10 × 6	2 × 12	9 × 4	11 × 11	2 × 5	2 × 9	6 × 3
12 × 9	11 × 9	4 × 5	5 × 12	8 × 6	3 × 12	7 × 2	2 × 3	5 × 5	9 × 9
9 × 5	7 × 8	3 × 11	10 × 5	12 × 7	10 × 3	11 × 12	4 × 7	3 × 3	7 × 9

Directions: Draw hands on the clocks to show the new time.

Example:

25 minutes later

15 minutes later

25 minutes later

15 minutes later

25 minutes later

10 minutes later

35 minutes later

10 minutes later

15 minutes later

5 minutes later

15 minutes later

25 minutes later

TIME TRAVEL

Rounding to the nearest 100

Round the numbers to the nearest hundred.

Round Down	Round Up
←	→
0 49	50 99

736 _____   187 _____   712 _____

228 _____   968 _____   427 _____

789 _____   367 _____   777 _____

507 _____   904 _____   663 _____

943 _____   673 _____   908 _____

482 _____   143 _____   621 _____

843 _____   446 _____

227 _____   498 _____

940 _____   717 _____

128 _____   831 _____