

EXERCISE 1: Number Families MULTIPLICATION/DIVISION—DIVISION FACTS

a. Open your workbook to Lesson 42 and find part 1. ✓

(Teacher reference:)

a.
$$3 \stackrel{8}{\longrightarrow}$$
 d. 12 g. $9 \stackrel{4}{\longrightarrow}$ j. $3 \stackrel{1}{\longrightarrow} 18$
b. 36 e. $9 \stackrel{8}{\longrightarrow} 81$ h. 24 k. $2 \stackrel{9}{\longrightarrow}$

One of the numbers in each family is missing. You'll say the problem and the answer for the missing number in each family. Then you'll complete the families.

- Family A. Say the problem for the missing number. (Signal.) 3×8 .
- What's 3 × 8? (Signal.) 24.
- b. (Repeat the following tasks for families B through L:)

Say the pi	roblem for family	What's	_?
В	36 ÷ 6	36 ÷ 6	6
С	9 × 6	9 × 6	54
D	12 ÷ 4	12 ÷ 4	3
Е	81 ÷ 9	81 ÷ 9	9
F	3 × 7	3×7	21
G	9 × 4	9 × 4	36
Н	24 ÷ 8	24 ÷ 8	3

(If students were 100% on families A through H, skip to step c.)

I	72 ÷ 8	72 ÷ 8	9	
J	18 ÷ 3	18 ÷ 3	6	
K	2 × 9	2 × 9	18	
L	63 ÷ 7	63 ÷ 7	9	
(Repeat f	families that were n	ot firm.)		

c. Write the missing number in each family. Put your pencil down when you've completed the families in part 1.

(Observe students and give feedback.)

- d. Check your work. You'll tell me the missing number you wrote for each family.
- Family A. (Signal.) 24.
- (Repeat for:) B, 6; C, 54; D, 3; E, 9; F, 21;
 G, 36; H, 3; I, 9; J, 6; K, 18; L, 9.
- e. Find part 2 in your workbook.

 ✓

 (Teacher reference:)

a. 8 × 3 =	g. 5 × 5 =	m. 4 16	s. 7 49	y. 5 10
b. 9 × 4 =	h. 3 27	n. 9 × 6 =	t. 2 14	z. 7 × 9 =
c. 9 18	i. 8 64	o. 6 36	u. 9 90	A. 3 27
d. 3 21	j. 8 × 9 =	p. 8 72	v. 9 × 9 =	B. 9 × 5 =
e. 4 × 4 =	k. 3 × 7 =	q. 3 × 6 =	w. 5 × 8 =	c. 9 81
f. 3 9	ı. 10 100	r 10 80	x 9 54	D 5 45

These multiplication and division problems are from multiplication families you know. You'll read some of the problems and tell me if the answer is the big number or a small number. Then you'll work all of the problems.

- f. Read problem A. (Signal.) 8×3 .
- Is the answer the big number or a small number? (Signal.) The big number.
- What's 8 × 3? (Signal.) 24.
- g. (Repeat the following tasks with problems B through H:)

Read p	roblem	Is the answer the big number or a small number?	What's _	?
В	9 × 4	The big number.	9 × 4	36
С	18 ÷ 9	A small number.	18 ÷ 9	2
D	21 ÷ 3	A small number.	21 ÷ 3	7
Е	4 × 4	The big number.	4 × 4	16
F	9 ÷ 3	A small number.	9 ÷ 3	3
G	5 × 5	The big number.	5 × 5	25
Н	27 ÷ 3	A small number.	27 ÷ 3	9

(Repeat problems that were not firm.)

- h. Work all the problems in part 2. You have two minutes.
- Get ready. Go. (Observe students and give feedback.)
- (After 2 minutes say:) Stop.

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- Check your work. You'll read the fact for each problem.
- Problem A. (Signal.) $8 \times 3 = 24$.
- (Repeat for:) B, $9 \times 4 = 36$; C, $18 \div 9 = 2$; D, $21 \div 3 = 7$; E, $4 \times 4 = 16$; F, $9 \div 3 = 3$; G, $5 \times 5 = 25$; H, $27 \div 3 = 9$; I, $64 \div 8 = 8$; J, $8 \times 9 = 72$; K, $3 \times 7 = 21$; L, $100 \div 10 = 10$; M, $16 \div 4 = 4$; N, $9 \times 6 = 54$; O, $36 \div 6 = 6$; P, $72 \div 8 = 9$; Q, $3 \times 6 = 18$; R, $80 \div 10 = 8$; S, $49 \div 7 = 7$; T, $14 \div 2 = 7$; U, $90 \div 9 = 10$; V, $9 \times 9 = 81$; W, $5 \times 8 = 40$; X, $54 \div 9 = 6$; Y, $10 \div 5 = 2$; Z, $7 \times 9 = 63$; Capital A, $27 \div 3 = 9$; B, $9 \times 5 = 45$; C, $81 \div 9 = 9$; D, $45 \div 5 = 9$.

EXERCISE 2: FRACTIONS

ADDING WHOLE NUMBERS AND FRACTIONS

REMEDY

a. (Display:)

[42:2A]

$$7 + \frac{5}{2}$$

- (Point to $7 + \frac{5}{2}$.) Read this problem. (Signal.) $7 + \frac{5}{2}$.
- Do 7 and 5/2 have the same bottom number? (Signal.) No.
- So you can't work the problem unless you rewrite the whole number as a fraction. What bottom number will you write? (Signal.) 2.
- b. So you rewrite 7 as a fraction with a bottom number of 2.

(Add to show:)

[42:2B]

[42:2C]

$$\frac{7}{2}$$
 $\frac{7}{2}$

- Raise your hand when you know the top number of the fraction. ✓
- What's the top number? (Signal.) *14.* (Add to show:)

$$\frac{14}{2}$$
7 + $\frac{5}{2}$

- c. Read the fraction addition problem. (Signal.)14/2 + 5/2.
- Can you work that problem? (Signal.) Yes.
- What's 14/2 + 5/2? (Signal.) 19/2. (Add to show:) [42:2D]

$$\frac{14}{2}$$
 $\frac{7}{2}$ + $\frac{5}{2}$ = $\frac{19}{2}$

[42:2E]

- What does 7 + 5/2 equal? (Signal.) 19/2.
- d. (Display:)

- (Point to $3 + \frac{2}{9}$.) Read this problem. (Signal.) 3 + 2/9.
- Can you add 3 + 2/9? (Signal.) No.
- So you have to rewrite 3 as a fraction. What's the bottom number of that fraction? (Signal.) 9. (Add to show:) [42:2F]

$$\frac{3}{9}$$
 $\frac{2}{9}$

- Raise your hand when you know the top number of the fraction. ✓
- What's the top number? (Signal.) 27.
 (Add to show:) [42:26]

$$\frac{27}{9}$$
3 + $\frac{2}{9}$

- e. Read the fraction addition problem. (Signal.) 27/9 + 2/9.
- What's 27/9 + 2/9? (Signal.) 29/9. (Add to show:) [42:2H]

$$\frac{27}{9}$$
3 + $\frac{2}{9}$ = $\frac{29}{9}$

- Read the equation. (Signal.) 27/9 + 2/9 = 29/9.
- What does 3 + 2/9 equal? (Signal.) 29/9.
 (If students are 100% skip to Exercise 3.)

f. (Display:)

[42:2**I**]

$$4 + \frac{5}{3}$$

- (Point to $4 + \frac{5}{3}$.) Read this problem. (Signal.) $4 + \frac{5}{3}$.
- Can you add 4 + 5/3? (Signal.) No.
- So you have to rewrite 4 as a fraction. What's the bottom number of that fraction? (Signal.) 3. (Add to show:) [42:2J]

$$\frac{3}{3}$$
 $\frac{4}{3}$ + $\frac{5}{3}$

- Raise your hand when you know the top number of the fraction. ✓
- What's the top number? (Signal.) 12. (Add to show:)

$$\frac{12}{3}$$
4 + $\frac{5}{3}$

- g. Read the fraction addition problem. (Signal.) 12/3 + 5/3.
- What's 12/3 + 5/3? (Signal.) 17/3. (Add to show:)

$$\frac{12}{3}$$
4 + $\frac{5}{3}$ = $\frac{17}{3}$

- Read the equation. (Signal.) 12/3 + 5/3 = 17/3.
- What does 4 + 5/3 equal? (Signal.) 17/3.

EXERCISE 3: MULTIPLICATION *By Tens Numbers*

REMEDY

a. Find part 3 in your workbook. ✓(Teacher reference:)

R Part I

a.
$$\frac{7}{\times 5}$$
 b. $\frac{2}{\times 8}$ c. $\frac{7}{\times 9}$ d. $\frac{5}{\times 6}$
e. $\frac{7}{\times 50}$ f. $\frac{2}{\times 80}$ g. $\frac{7}{\times 90}$ h. $\frac{5}{\times 60}$

The problems in the top row do not multiply by tens numbers. Below are problems that multiply by tens numbers.

- b. For each problem in the top row, you'll read the problem and say the answer.
- Problem A. (Signal.) $7 \times 5 = 35$.
- Problem B. (Signal.) $2 \times 8 = 16$.
- Problem C. (Signal.) $7 \times 9 = 63$.
- Problem D. (Signal.) $5 \times 6 = 30$.

- c. Write answers to the problems in the top row. (Observe students and give feedback.)
- d. Touch and read problem E. (Signal.) 7×50 .
- Does problem E multiply by a tens number? (Signal.) Yes.
- What tens number? (Signal.) 50.
 So you'll write zero in the ones column. Then you'll work the problem 7 x 5.
- What will you write in the ones column? (Signal.) Zero.
- Then you'll work what problem? (Signal.) 7 × 5. (Repeat until firm.)
- e. Work problem E.(Observe students and give feedback.)
- Problem E: 7 x 5 = 35. So what's 7 x 50?
 (Signal.) 350.
 (Display:) [42:3A]

e.
$$\frac{7}{\times 50}$$

Here's what you should have for problem E.

- f. Touch and read problem F. (Signal.) 2×80 .
- Does problem F multiply by a tens number? (Signal.) Yes.
- What will you write in the ones column? (Signal.) Zero.
- Then you'll work what problem? (Signal.) 2 × 8.
- g. Work problem F.

(Observe students and give feedback.)

 Problem F: 2 x 8 = 16. So what's 2 x 80? (Signal.) 160.

(If students are 100%, skip to step i.)

- h. Touch and read problem G. (Signal.) 7×90 .
- Does problem G multiply by a tens number? (Signal.) Yes.
- So what will you write in the ones column? (Signal.) Zero.
- Then you'll work what problem? (Signal.) 7×9 .
- i. Work problem G.

(Observe students and give feedback.)

 Problem G: 7 × 9 = 63. So what's 7 × 90? (Signal.) 630.

(If students are 100%, skip to step k.)

- j. Touch and read problem H. (Signal.) 5×60 .
- What will you write in the ones column? (Signal.) Zero.
- Then you'll work what problem? (Signal.) 5×6 .

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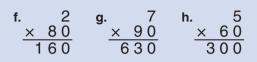
k. Work problem H.

(Display:)

(Observe students and give feedback.)

 Problem H: 5 × 6 = 30. So what's 5 × 60? (Signal.) 300.

[42



Here's what you should have for problems F, G, and H.

EXERCISE 4: DIVISION

WORKING REMAINDER PROBLEMS

a. Find part 4 in your workbook. ✓(Teacher reference:)

a. 9 3 7 b. 2 1 1 c. 4 1 5 d. 3 2 2

These are division problems that have leftovers.

- Read problem A. (Signal.) 37 ÷ 9.
- Can you divide 37 by 9? (Signal.) No.
- Write the largest part below and write the leftovers. Stop when you've done that much. (Observe students and give feedback.)
- What's the largest part of 37 you can divide by 9? (Signal.) 36.
- How many leftovers are there? (Signal.) 1. (Display:) [42:4A]

Here's the largest part and the leftovers.

- b. Now you have to work a division problem and write the answer above.
- Say the division problem you'll work. (Signal.)
 36 ÷ 9.
- Write the answer. ✔
 (Add to show:)

[42:4B]

Here's what you should have for problem A. 37 divided by 9 equals 4 and 1 leftover.

- c. Read problem B. (Signal.) 11 ÷ 2.
- Can you divide 11 by 2? (Signal.) No.
- Write the largest part below and write the remainder. The remainder is the number for the leftovers. Stop when you've done that much. (Observe students and give feedback.)
- What's the largest part of 11 you can divide by 2? (Signal.) 10.
- How many leftovers are there? (Signal.) 1.
 (Display:) [42:40]

- d. Now you have to work a division problem and write the answer above.
- Say the division problem you'll work. (Signal.)
 10 ÷ 2.
- Write the answer. ✓
 (Add to show:) [42:4D]

Here's what you should have for problem B.

e. Work problem C. First write the largest part and the remainder. Then write the answer to the division problem you work.

(Observe students and give feedback.)

- f. Check your work.
- Problem C is 15 ÷ 4. Say the division problem you worked. (Signal.) 12 ÷ 4.
- What's the answer? (Signal.) 3.
- How many leftovers are there? (Signal.) 3.
 (Display:) [42:4E]

Here's what you should have for problem C.

- g. Work problem D. First write the largest part and the remainder. Then write the answer to the division problem you work.
 - (Observe students and give feedback.)

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- h. Check your work.
- Problem D is 22 ÷ 3. Say the division problem you worked. (Signal.) 21 ÷ 3.
- What's the answer? (Signal.) 7.
- How many leftovers are there? (Signal.) 1.
 (Display:) [42:4F]

Here's what you should have for problem D.

EXERCISE 5: MULTIPLICATION FACTS

a. Find part 5 in your workbook. ✓
 (Teacher reference:)

a. 8 × 9 =	g. 9 × 4 =	m. $3 \times 3 =$	s. $9 \times 10 =$	y. $9 \times 7 =$
b. $3 \times 7 =$	h. $8 \times 0 =$	n. 5 × 7 =	t. 3 × 9 =	z. 8 × 5 =
c. $4 \times 6 =$	i. $6 \times 4 =$	o. 3 × 8 =	u. 7 × 3 =	A. $4 \times 4 =$
d. $7 \times 9 =$	j. 9 × 9 =	p. 4 × 9 =	v. 9 × 2 =	B. $6 \times 9 =$
e. 8 × 3 =	k. 4 × 3 =	q. $6 \times 3 =$	w. 10 × 10 =	c. 9 × 8 =
f 7 × 2 =	1 6×6=	r 7 × 10 =	x 1 x 6 =	D 3×6=

Some of these multiplication problems are from families we worked with in this lesson. You'll read some of the problems and say the answer.

- Read problem A. (Signal.) 8 × 9.
- What's the answer? (Signal.) 72.
- b. (Repeat the following tasks for problems B through L:)

Problem _		What's the answer?
В	3 × 7	21
С	4 × 6	24
D	7 × 9	63
Е	8 × 3	24

(If students are 100%, skip to step c.)

(ii stadelite als respect supplies to step e.)			
F	7 × 2	14	
G	9 × 4	36	
Н	8 × 0	0	
I	6 × 4	24	
J	9 × 9	81	
K	4 × 3	12	
L	6 × 6	36	

- (Repeat problems that were not firm.)c. Write all of the answers to the problems in part 5.
- Get ready. Go.

(Observe students and give feedback.)

(After 2 minutes say:) Stop.

You have two minutes.

- d. Check your work. You'll read the fact for each problem.
- Problem A. (Signal.) $8 \times 9 = 72$.
- (Repeat for:) B, $3 \times 7 = 21$; C, $4 \times 6 = 24$; D, $7 \times 9 = 63$; E, $8 \times 3 = 24$; F, $7 \times 2 = 14$; G, $9 \times 4 = 36$; H, $8 \times 0 = 0$; I, $6 \times 4 = 24$; J, $9 \times 9 = 81$; K, $4 \times 3 = 12$; L, $6 \times 6 = 36$; M, $3 \times 3 = 9$; N, $5 \times 7 = 35$; O, $3 \times 8 = 24$; P, $4 \times 9 = 36$; Q, $6 \times 3 = 18$; R, $7 \times 10 = 70$; S, $9 \times 10 = 90$; T, $3 \times 9 = 27$; U, $7 \times 3 = 21$; V, $9 \times 2 = 18$; W, $10 \times 10 = 100$; X, $1 \times 6 = 6$; Y, $9 \times 7 = 63$; Z, $8 \times 5 = 40$; Capital A, $4 \times 4 = 16$; B, $6 \times 9 = 54$; C, $9 \times 8 = 72$; D, $3 \times 6 = 18$.

EXERCISE 6: FRACTIONS

 As Division
 REMEDY

 a. (Display:)
 [42:6A]

 $\frac{9}{6}$ $\frac{3}{10}$
 $\frac{12}{4}$ $\frac{45}{6}$

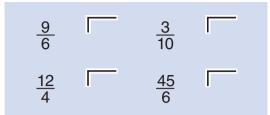
- (Point to $\frac{9}{6}$.) Read this fraction. (Signal.) 9/6.
- (Point to $\frac{12}{4}$.) Read this fraction. (Signal.) 12/4.
- (Point to $\frac{3}{40}$.) Read this fraction. (Signal.) 3/10.
- (Point to $\frac{45}{6}$.) Read this fraction. (Signal.) 45/6.
- b. Here's a rule about fractions: You can write any fraction as a division problem.
- (Point to $\frac{9}{6}$.) I'll say the division problem for 9 sixths. 9 divided by 6. Say the division problem. (Signal.) $9 \div 6$.
- (Point to $\frac{12}{4}$.) Say the division problem for 12/4. (Signal.) $12 \div 4$.
- (Point to $\frac{3}{10}$.) Say the division problem for 3/10. (Signal.) $3 \div 10$.
- (Point to 45/6). Say the division problem for 45/6.
 (Signal.) 45 ÷ 6.

(Repeat step b until firm.)

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c. (Add to show:)

[42:6B]

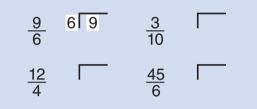


This time, you'll say the division problem, and I'll write it.

(Point to ⁹/₆.) Say the division problem for 9/6.
 (Signal.) 9 ÷ 6.

(Add to show:)

[42:6C]



d. (Point to $\frac{12}{4}$.) Say the division problem for 12/4. (Signal.) $12 \div 4$.

(Add to show:)

[42:6D]

$$\frac{9}{6}$$
 $6 \boxed{9}$ $\frac{3}{10}$ $\boxed{ }$ $\frac{12}{4}$ $4 \boxed{12}$ $\frac{45}{6}$ $\boxed{ }$

e. (Point to $\frac{3}{10}$.) Say the division problem for 3/10. (Signal.) $3 \div 10$.

(Add to show:)

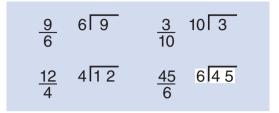
[42:6E]

$$\frac{9}{6}$$
 6 $\boxed{9}$ $\frac{3}{10}$ 10 $\boxed{3}$ $\frac{12}{4}$ 4 $\boxed{12}$ $\frac{45}{6}$

f. (Point to $\frac{45}{6}$.) Say the division problem for 45/6. (Signal.) $45 \div 6$.

(Add to show:)

[42:6F]



TEXTBOOK PRACTICE

a. Open your textbook to Lesson 42 and find part 1. ✓

(Teacher reference:)

a.
$$\frac{12}{6}$$
 b. $\frac{20}{4}$ c. $\frac{30}{7}$ d. $\frac{13}{2}$

For each fraction, you'll write the division problems on your lined paper.

- Read fraction A. (Signal.) 12/6.
- Say the division problem for 12/6. (Signal.)
 12 ÷ 6.
- b. Read fraction B. (Signal.) 20/4.
- Say the division problem for 20/4. (Signal.)
 20 ÷ 4.

(If students have been firm on saying division problems for fractions for at least two lessons, skip to step e.)

- c. Read fraction C. (Signal.) 30/7.
- Say the division problem for 30/7. (Signal.)
 30 ÷ 7.
- d. Read fraction D. (Signal.) 13/2.
- Say the division problem for 13/2. (Signal.)
 13 ÷ 2.

(Repeat problems that were not firm.)

- e. Write part 1 on your lined paper with the letters A through D below. Then write the division problem for each fraction. Do not work the division problems. Just write them.

 (Observe students and give feedback.)
- Check your work. You'll read the division problem you wrote.
- Problem A. (Signal.) 12 ÷ 6.
- Problem B. (Signal.) 20 ÷ 4.
- Problem C. (Signal.) 30 ÷ 7.
- Problem D. (Signal.) 13 ÷ 2.

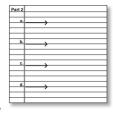
EXERCISE 7: WORD PROBLEMS ADDITION/SUBTRACTION—MISSING FIRST SMALL

ADDITION/SUBTRACTION—MISSING FIRST SMALL NUMBER MIX

a. Find part 2 in your textbook. ✓(Teacher reference:)

Problems

- a. The dog weighed 319 ounces. The cat weighed 374 ounces. How much more did the cat weigh than the dog?
- b. Dessi had some money. Dessi spent \$113. Dessi ended up with \$197. How much money did Dessi have to begin with?
- c. There were 543 bottles on a shelf. Some of those bottles were taken off of the shelf. The shelf now has 261 bottles on it. How many bottles were taken off of the shelf?
- d. The building was 28 meters shorter than the hill. The building was 67 meters tall. How tall was the hill?



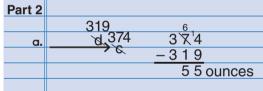
You'll make addition number families to work these problems.

- Write part 2 on your lined paper with the letters A through D below. Make an addition number family arrow after each letter.
 (Observe students and give feedback.)
- b. Some of the problems in part 2 do not give the first small number. For each problem, you'll tell me if you'll write a family with the letters E and S. Then you'll tell me if you'll write the first small number in the family.
- Read problem A. (Call on a student.) The dog weighed 319 ounces. The cat weighed 374 ounces. How much more did the cat weigh than the dog?
- Will you make a number family with the letters for start and end? (Signal.) No.
- Does the problem give the first small number in the family? (Signal.) No. (If students have performed perfectly on word problems for at least two lessons, skip to step f.)
- c. Read problem B. (Call on a student.) Dessi had some money. Dessi spent 113 dollars.

 Dessi ended up with 197 dollars. How much money did Dessi have to begin with?
- Will you make a number family with the letters for start and end? (Signal.) Yes.
- Does the problem give the first small number in the family? (Signal.) Yes.
- d. Read problem C. (Call on a student.) There were 543 bottles on a shelf. Some of those bottles were taken off of the shelf. The shelf now has 261 bottles on it. How many bottles were taken off of the shelf?
- Will you make a number family with the letters for start and end? (Signal.) Yes.
- Does the problem give the first small number in the family? (Signal.) No.

- e. Read problem D. (Call on a student.) The building was 28 meters shorter than the hill. The building was 67 meters tall. How tall was the hill?
- Will you make a number family with the letters for start and end? (Signal.) No.
- Does the problem give the first small number in the family? (Signal.) Yes.
 (Repeat problems that were not firm.)
- f. Work all the problems. Put your pencil down when you've completed part 2.
 (Observe students and give feedback.)
- g. Check your work for problem A.
- What letter did you write for the big number? (Signal.) C.
- What letter did you write for a small number? (Signal.) D.
- Read the column problem and the answer. (Signal.) 374 319 = 55.
- How much more did the cat weigh than the dog? (Signal.) 55 ounces.

(Display:) [42:7A]



Here's what you should have for problem A.

- h. Check your work for problem B.
- What letter did you write for the big number? (Signal.) S.
- What letter did you write for a small number? (Signal.) E.
- What number did you write for the first small number? (Signal.) 113.
- Read the column problem and the answer.
 (Signal.) 113 + 197 = 310.
- How much did Dessi have to begin with? (Signal.) 310 dollars.

(Display:) [42:78]

b. 197 1 1

b. \$113 \overline{\text{S}} \$113

+ 197

\$310

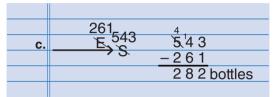
Here's what you should have for problem B.

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- i. Check your work for problem C.
- What letter did you write for the big number? (Signal.) S.
- What letter did you write for a small number? (Signal.) E.
- Read the column problem and the answer.
 (Signal.) 543 261 = 282.
- How many bottles were taken off of the shelf? (Signal.) 282.

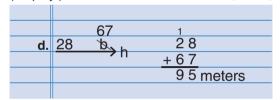
(Display:)

[42:7C]



Here's what you should have for problem C.

- j. Check your work for problem D.
- What letter did you write for the big number? (Signal.) H.
- What letter did you write for a small number? (Signal.) B.
- What number did you write for the first small number? (Signal.) 28.
- Read the column problem and the answer. (Signal.) 28 + 67 = 95.
- How tall was the hill? (Signal.) 95 meters.
 (Display:) [42:7D]



Here's what you should have for problem D.

EXERCISE 8: DIVISION *WRITE ANSWER OR LARGEST PART*

a. Find part 3 in your textbook. ✓(Teacher reference:)

Part 3			
a.	4 1 8	c. 9 1 8	e. 8 1 6
b.	3 1 8	d. 5 1 8	f. 10 5 4

- Copy part 3 on your lined paper and work all
 of the problems. If you can divide, write the
 answer above. If you can't divide, write the
 largest part below. Write only the largest part
 or the answer. Do not write leftovers.
 - (Observe students and give feedback.)
- b. Check your work.
- Problem A is 18 ÷ 4. What number did you write? (Signal.) *16.*
- Problem B is 18 ÷ 3. What number did you write? (Signal.) 6.
- Problem C is 18 ÷ 9. What number did you write? (Signal.) 2.
- Problem D is 18 ÷ 5. What number did you write? (Signal.) 15.
- Problem E is 16 ÷ 8. What number did you write? (Signal.) 2.
- Problem F is 54 ÷ 10. What number did you write? (Signal.) 50.

EXERCISE 9: DECIMALS TENTHS AND HUNDREDTHS—WRITING

a. Find part 4 in your textbook. ✓(Teacher reference:)

Descriptions

a. Decimal number a is thirteen and twelve hundredths.

b. Decimal number b is five hundred and six tenths.

- c. Decimal number c is five hundred and sixty hundredths
- d. Decimal number d is eighteen and three hundredths.
- e. Decimal number e is twenty and eight tenths.
- $\mbox{\bf f.} \ \ \, \mbox{Decimal number f is four hundred seventeen and zero tenths}.$

You're going to write decimal numbers. You'll write some tenths numbers and some hundredths numbers. Each sentence tells the number you'll write.

- Write part 4 on your lined paper with the letters A through F below.
 - (Observe students and give feedback.)
- b. Listen: For tenths numbers, how many digits do you write after the decimal point? (Signal.) 1.
- For hundredths numbers, how many digits do you write after the decimal point? (Signal.) 2.
 (Repeat step b until firm.)
- c. Now you'll write decimal numbers. I'll read the sentence for each number.
- Decimal number A is 13 and 12 hundredths.
 What number? (Signal.) 13 and 12 hundredths.
- Write the number for A on your lined paper.
- Everybody, touch and read the symbols you wrote for number A. (Signal.) 1, 3, decimal point, 1, 2.

(Repeat until firm.)

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- d. Decimal number B is 500 and 6 tenths. What number? (Signal.) 500 and 6 tenths.
- Write the number for B. 🗸
- Touch and read the symbols you wrote for decimal number B. (Signal.) 5, 0, 0, decimal point, 6.
- e. Decimal number C is 500 and 60 hundredths. What number? (Signal.) 500 and 60 hundredths.
- Write the number for C. ✓
- Touch and read the symbols you wrote for decimal number C. (Signal.) 5, zero, zero, decimal point, 6, zero.
- f. Decimal number D is 18 and 3 hundredths. What number? (Signal.) 18 and 3 hundredths.
- Write the number for D. 🗸
- Touch and read the symbols you wrote for decimal number D. (Signal.) 1, 8, decimal point, zero, 3.
- g. Decimal number E is 20 and 8 tenths. What number? (Signal.) 20 and 8 tenths.
- Write the number for E. ✓
- Touch and read the symbols you wrote for decimal number E. (Signal.) 2, zero, decimal point, 8.
- h. Decimal number F is 417 and zero tenths. What number? (Signal.) 417 and zero tenths.
- Write the number for F. ✓
- Touch and read the symbols you wrote for decimal number F. (Signal.) 4, 1, 7, decimal point, zero.

(Display:)

[42:9A]

Part 4		
a.	13.12	d. 18.03
b.	500.6	e. 20.8
c.	500.60	f. 417.0

Here's what you should have for part 4.

- i. Now you'll read all the decimal numbers you wrote for part 4.
- Read number A. (Signal.) 13 and 12 hundredths.
- Read number B. (Signal.) 500 and 6 tenths.
- Read number C. (Signal.) 500 and 60 hundredths.
- Read number D. (Signal.) 18 and 3 hundredths.
- Read number E. (Signal.) 20 and 8 tenths.
- Read number F. (Signal.) 417 and zero tenths.

EXERCISE 10: INDEPENDENT WORK MIXED COMPUTATION

a. Find part 5 in your textbook. ✓
 (Teacher reference:)

Part 5			
a.	\$70.15 - 9.09	d. 2 6 8	g. 10 ×640
b.	64 × 3	e. 509 × 7	h. 8 1.4 _ 7 7.7
c.	5.8 20.9	f. 3 1 8 9	i. \$ 8.9 6 + 1.0 5
	+ 4 8 2.3		

You'll copy part 5 and work the problems. Be careful. Part 5 has addition, subtraction, multiplication, and division problems. Some of the problems are money problems, and some are decimal problems.

Assign Independent Work, Textbook parts 5-9.

Optional extra math-fact practice worksheets for all lessons are available on ConnectED.

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