

Ms. Rathgeber's Math Magicians

Dear Parents,

Thank you so much for your support and patience in this difficult time as we work to ensure that your children do not miss too much instruction while at home. This work is optional, but of course, recommended.

I have compiled work that your child should be able to do with some help to ensure that they continue to make progress on vital skills while school is closed. I have enclosed supports such as a multiplication chart or hundreds chart for students to use as a reference. Feel free to find objects around the home to count and model problems such as paper clips or coins for your child to use.

Your child may need help from you such as: reading the directions, reading the word problems, explaining how to solve the problem, reminders to check their work, reminders to draw a picture to solve the problem, reminders to use their place value chart. If you have any concerns about how hard the work is for your child, please skip that problem or that page and contact me. My hope is that this work is challenging, but not overly frustrating. Completing 1-2 pages per day is plenty of work. Alternatively, you can set a timer for 15-30 minutes and stop working when the timer goes off.

If your child becomes very frustrated, feel free to contact me and I will be happy to speak with them and coach them through their frustration. This should not be an unpleasant or painful experience, and if they are starting to get upset, it is absolutely ok to take a break and try again later or get in touch with me.

If you find the work difficult or confusing, or are unsure how to explain it, you can contact me and I will do my best to explain it. Khan Academy is a good place to go for explanations and videos of how to solve math problems.

Additional activities you can do at home are practicing flash cards or playing board games or card games that involve math.

Please connect with my classroom using Class Dojo for updates and assignments moving forward.

I am happy to support you in any way I can during this difficult time. You can always send me a message on Class Dojo or text me at: 201-919-8094.

Please take care of yourselves, your wonderful children, and your families and friends and I hope to see you all soon!

Sincerely,

Ms. Rathgeber

Multiplication Table (15 x 15)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
2		2	4	6	8	10	12	14	16	18	20	22	24	26	28	30
3		3	6	9	12	15	18	21	24	27	30	33	36	39	42	45
4		4	8	12	16	20	24	28	32	36	40	44	48	52	56	60
5		5	10	15	20	25	30	35	40	45	50	55	60	65	70	75
6		6	12	18	24	30	36	42	48	54	60	66	72	78	84	90
7		7	14	21	28	35	42	49	56	63	70	77	84	91	98	105
8		8	16	24	32	40	48	56	64	72	80	88	96	104	112	120
9		9	18	27	36	45	54	63	72	81	90	99	108	117	126	135
10		10	20	30	40	50	60	70	80	90	100	110	120	130	140	150
11		11	22	33	44	55	66	77	88	99	110	121	132	143	154	165
12		12	24	36	48	60	72	84	96	108	120	132	144	156	168	180
13		13	26	39	52	65	78	91	104	117	130	143	156	169	182	195
14		14	28	42	56	70	84	98	112	126	140	154	168	182	196	210
15		15	30	45	60	75	90	105	120	135	150	165	180	195	210	225

Place Value Chart

Thousands			Hundreds		
Hundred	Ten	One	Hundreds	Tens	Ones



Grade 3 Mathematics

Student At-Home Activity Packet

This At-Home Activity Packet includes 26 sets of practice problems that align to important math concepts your student has worked with so far this year.

We recommend that your student completes one page of practice problems each day.

Encourage your student to do the best they can with this content—the most important thing is that they continue developing their mathematical fluency and skills.

See the Grade 3 Math
concepts covered in
this packet!



Grade 3 Math concepts covered in this packet

Concept	Practice	Fluency and Skills Practice
Understanding Multiplication Concepts	1	Understanding of Multiplication Models..... 4
	2	Multiplying with 2, 5, and 10 5
Practicing Multiplication Facts	3	Multiplying with 0 and 1 6
	4	Multiplying with 3 7
	5	Multiplying with 4 8
	6	Multiplying with 6 9
	7	Multiplying with 7 10
	8	Multiplying with 8 11
	9	Multiplying with 9 12
Using Properties of Multiplication	10	Using Order to Multiply..... 13
	11	Using Grouping to Multiply 14
	12	Using Order and Grouping to Multiply..... 15
Understanding Division Concepts	13	Understanding of Division Models..... 16
	14	Understanding of How Multiplication and Division Are Connected..... 17
Practicing Division Facts	15	Working with Division Facts 18
	16	Using a Multiplication Table 19
	17	Understanding of Patterns..... 20

Grade 3 Math concepts covered in this packet (Continued)

Concept	Practice	Fluency and Skills Practice
Solving Word Problems with Multiplication and Division	18	Solving Problems About Equal Groups 21
	19	Solving Problems About Arrays..... 22
	20	Solving Problems About Area..... 23
	21	Solving Two-Step Word Problems Using Two Equations..... 24
	22	Solving Two-Step Word Problems Using One Equation..... 25
	23	Estimating Solutions to Word Problems..... 26
Understanding Fraction Concepts	24	Describing Parts of a Whole with Fractions 27
	25	Understanding of Fractions on a Number Line 29
Telling Time	26	Telling Time to the Minute 31

1 Show 3×5 by drawing equal groups of 5.

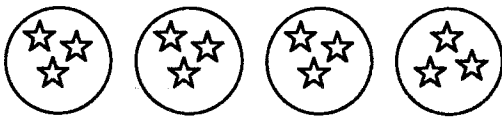
Show 3×5 by drawing an array.

Complete the equation. $3 \times 5 = \underline{\hspace{2cm}}$

2 Write an equation that matches the array.



3 Write an equation that matches the picture.



4 Use words to describe the drawing for problem 3.

Multiply.

1 $5 \times 2 =$ _____ **2** $2 \times 5 =$ _____ **3** $2 \times 10 =$ _____ **4** $10 \times 2 =$ _____

5 $10 \times 5 =$ _____ **6** $5 \times 10 =$ _____ **7** $6 \times 2 =$ _____ **8** $2 \times 6 =$ _____

9 $3 \times 10 =$ _____ **10** $10 \times 3 =$ _____ **11** $7 \times 2 =$ _____ **12** $2 \times 7 =$ _____

13 $4 \times 10 =$ _____ **14** $10 \times 4 =$ _____ **15** $5 \times 4 =$ _____ **16** $4 \times 5 =$ _____

17 $2 \times 2 =$ _____ **18** $5 \times 5 =$ _____ **19** $10 \times 10 =$ _____

20 What patterns do you notice in the problems? Explain.**21** Draw a model to show how you solved one of the problems.

Write the missing digits in the boxes to make each multiplication problem true.

$3 \times 1 = \square$

$0 \times 7 = \square$

$5 \times 1 = \square$

$1 \times 0 = \square$

$1 \times 7 = \square$

$4 \times \square = 0$

$4 \times \square = 4$

$9 \times \square = 0$

$\square \times 1 = 3$

$\square \times 9 = 9$

$\square \times 8 = 0$

$\square \times 6 = 0$

Write two factors to make each multiplication problem true.

$\square \times \square = 5$

$\square \times \square = 7$

$\square \times \square = 2$

$\square \times \square = 1$

Write a digit in the box to make the multiplication problem true. Then use words to write about the groups.

$\square \times 0 = 0$

Multiply.

1 $2 \times 3 =$ _____ **2** $3 \times 2 =$ _____ **3** $10 \times 3 =$ _____ **4** $3 \times 10 =$ _____

5 $5 \times 3 =$ _____ **6** $3 \times 5 =$ _____ **7** $4 \times 3 =$ _____ **8** $3 \times 4 =$ _____

9 $9 \times 3 =$ _____ **10** $3 \times 9 =$ _____ **11** $1 \times 3 =$ _____ **12** $3 \times 1 =$ _____

13 $8 \times 3 =$ _____ **14** $3 \times 8 =$ _____ **15** $6 \times 3 =$ _____ **16** $3 \times 6 =$ _____

17 $7 \times 3 =$ _____ **18** $3 \times 7 =$ _____ **19** $0 \times 3 =$ _____ **20** $3 \times 3 =$ _____

21 Tell how you could check that your answer to problem 9 is correct.

22 Draw a model to show how you solved one of the problems.

Multiply.

1 $2 \times 4 =$ _____ **2** $3 \times 4 =$ _____ **3** $10 \times 4 =$ _____ **4** $5 \times 4 =$ _____

5 $7 \times 4 =$ _____ **6** $6 \times 4 =$ _____ **7** $8 \times 4 =$ _____ **8** $9 \times 4 =$ _____

9 $1 \times 4 =$ _____ **10** $4 \times 5 =$ _____ **11** $0 \times 4 =$ _____ **12** $4 \times 10 =$ _____

13 $4 \times 3 =$ _____ **14** $4 \times 2 =$ _____ **15** $4 \times 1 =$ _____ **16** $4 \times 4 =$ _____

17 Tell what strategy you used to solve 6×4 .

18 Draw a model to show how you solved one of the problems.

Multiply.

1 $5 \times 6 =$ _____ **2** $3 \times 6 =$ _____ **3** $10 \times 6 =$ _____ **4** $2 \times 6 =$ _____

5 $7 \times 6 =$ _____ **6** $4 \times 6 =$ _____ **7** $8 \times 6 =$ _____ **8** $1 \times 6 =$ _____

9 $9 \times 6 =$ _____ **10** $6 \times 5 =$ _____ **11** $0 \times 6 =$ _____ **12** $6 \times 10 =$ _____

13 $6 \times 3 =$ _____ **14** $6 \times 2 =$ _____ **15** $6 \times 5 =$ _____ **16** $6 \times 6 =$ _____

17 Tell a strategy you can use to show 5×6 .**18** Explain how problem 2 and problem 13 are related.

The answers are mixed up at the bottom of the page. Cross out the answers as you complete the problems.

1 $3 \times 7 =$ _____

2 $6 \times 7 =$ _____

3 $8 \times 7 =$ _____

4 $2 \times 7 =$ _____

5 $9 \times 7 =$ _____

6 $1 \times 7 =$ _____

7 $7 \times 0 =$ _____

8 $10 \times 7 =$ _____

9 $4 \times 7 =$ _____

10 $5 \times 7 =$ _____

11 $7 \times 3 =$ _____

12 $0 \times 7 =$ _____

13 $7 \times 2 =$ _____

14 $7 \times 10 =$ _____

15 $7 \times 4 =$ _____

16 $7 \times 1 =$ _____

17 $7 \times 5 =$ _____

18 $7 \times 7 =$ _____

Answers

14	63	35	70	0	42
7	28	14	21	56	21
28	0	70	49	35	7

The answers are mixed up at the bottom of the page. Cross out the answers as you complete the problems.

1 $2 \times 8 =$ _____

2 $6 \times 8 =$ _____

3 $7 \times 8 =$ _____

4 $3 \times 8 =$ _____

5 $9 \times 8 =$ _____

6 $1 \times 8 =$ _____

7 $0 \times 8 =$ _____

8 $10 \times 8 =$ _____

9 $4 \times 8 =$ _____

10 $5 \times 8 =$ _____

11 $8 \times 3 =$ _____

12 $8 \times 0 =$ _____

13 $8 \times 2 =$ _____

14 $8 \times 10 =$ _____

15 $8 \times 4 =$ _____

16 $8 \times 7 =$ _____

17 $8 \times 5 =$ _____

18 $8 \times 8 =$ _____

Answers

64	40	48	8	0	56
72	80	24	32	16	32
24	0	80	40	56	16

The answers are mixed up at the bottom of the page. Cross out the answers as you complete the problems.

1 $1 \times 9 =$ _____

2 $6 \times 9 =$ _____

3 $7 \times 9 =$ _____

4 $2 \times 9 =$ _____

5 $8 \times 9 =$ _____

6 $3 \times 9 =$ _____

7 $0 \times 9 =$ _____

8 $10 \times 9 =$ _____

9 $4 \times 9 =$ _____

10 $5 \times 9 =$ _____

11 $9 \times 3 =$ _____

12 $9 \times 8 =$ _____

13 $9 \times 2 =$ _____

14 $9 \times 10 =$ _____

15 $9 \times 4 =$ _____

16 $9 \times 7 =$ _____

17 $9 \times 5 =$ _____

18 $9 \times 9 =$ _____

Answers

63	45	18	81	90	36
72	54	27	36	72	63
90	0	18	9	27	45

Write the missing numbers in the boxes to make each multiplication problem true.

$5 \times 6 = \square$

$2 \times 6 = \square$

$4 \times 5 = \square$

$6 \times 5 = \square$

$6 \times 2 = \square$

$5 \times 4 = \square$

$3 \times 8 = \square$

$4 \times 7 = \square$

$5 \times 9 = \square$

$8 \times 3 = \square$

$7 \times 4 = \square$

$9 \times 5 = \square$

$9 \times 2 = \square$

$\square \times 5 = 15$

$7 \times 8 = \square$

$2 \times \square = 18$

$5 \times 3 = \square$

$\square \times 7 = 56$

$\square \times 10 = 70$

$\square \times 5 = 10$

$3 \times \square = 12$

$10 \times \square = 70$

$5 \times \square = 10$

$\square \times 3 = 12$

1 Look at 6×5 and 5×6 . How does the order of the factors change the product?

2 Draw two arrays to show 4×7 and 7×4 .

**Draw parentheses around the numbers you want to multiply first.
Then find the product.**

1 $6 \times 3 \times 2$
 $6 \times (3 \times 2)$
 $6 \times 6 = 36$

Sample Student Work:
 $3 \times 2 = 6; 6 \times 6 = 36$

2 $4 \times 3 \times 3$

3 $5 \times 2 \times 8$

4 $8 \times 2 \times 4$

5 $2 \times 2 \times 7$

6 $6 \times 5 \times 2$

7 $3 \times 3 \times 7$

8 $2 \times 4 \times 5$

9 $7 \times 4 \times 2$

10 $6 \times 3 \times 3$

11 $3 \times 3 \times 10$

12 $2 \times 3 \times 4$

13 How did you decide which factors to group?

14 Choose one problem. Tell two ways you can group the factors. Then explain which way is easier for you to solve.

Order and group the factors to show how you want to multiply. Then find the product.

1 $5 \times 7 \times 2$

$5 \times 2 \times 7$

$(5 \times 2) \times 7$

$10 \times 7 = 70$

2 $3 \times 5 \times 3$

3 $4 \times 8 \times 2$

4 $2 \times 9 \times 5$

5 $2 \times 10 \times 5$

6 $2 \times 8 \times 2$

7 $3 \times 9 \times 3$

8 $5 \times 2 \times 6$

9 $4 \times 5 \times 2$

10 $2 \times 9 \times 2$

11 $3 \times 8 \times 2$

12 $4 \times 2 \times 7$

13 What strategies did you use to decide how to order and group the factors?

14 Why do you need to reorder factors in some problems?

- 1** Draw a model to show $12 \div 6$. Show 6 equal groups. How many are in each group?

There are 12 in all. There are 6 equal groups. There are _____ in each group.

$$12 \div 6 = \underline{\hspace{2cm}}$$

- 2** Draw a model to show $12 \div 6$. Show 6 in each group. How many groups are there?

There are 12 in all. There are 6 in each group. There are _____ groups.

$$12 \div 6 = \underline{\hspace{2cm}}$$

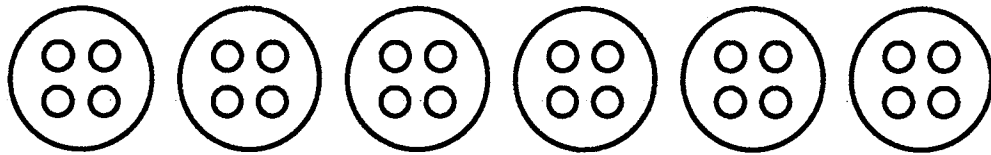
- 3** Draw an array to find $21 \div 3$.

- 4** Draw an array to find $20 \div 4$.

$$21 \div 3 = \underline{\hspace{2cm}}$$

$$20 \div 4 = \underline{\hspace{2cm}}$$

- 5** What situation could be modeled with the equation $40 \div 8 = 5$?



- 1** There are 24 marbles. Each bag has 4 marbles.

Write an equation that shows the number of bags.

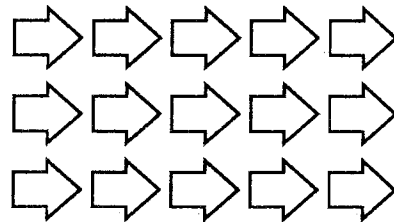
- 2** There are 24 marbles. An equal number of marbles are in 6 bags.

Write an equation that shows the number of marbles in each bag.

- 3** There are 6 bags of marbles. 4 marbles are in each bag.

Write two different equations that show the total number of marbles.

- 4** Write 2 multiplication equations and 2 division equations for this array.



Find the value of ? to complete each fact.

5 $6 \times ? = 48$

$48 \div 6 = ?$

$? =$ _____

6 $? \times 5 = 45$

$45 \div ? = 5$

$? =$ _____

7 $63 \div 9 = ?$

$? \times 9 = 63$

$? =$ _____

8 $32 \div ? = 8$

$8 \times ? = 32$

$? =$ _____

The answers are mixed up at the bottom of the page. Cross out the answers as you complete the problems.

1 $40 \div 4 =$ _____

2 $18 \div 3 =$ _____

3 $24 \div 4 =$ _____

4 $24 \div 8 =$ _____

5 $14 \div 2 =$ _____

6 $40 \div 8 =$ _____

7 $42 \div 7 =$ _____

8 $64 \div 8 =$ _____

9 $32 \div 8 =$ _____

10 $56 \div 8 =$ _____

11 $27 \div 9 =$ _____

12 $28 \div 7 =$ _____

13 $72 \div 8 =$ _____

14 $90 \div 9 =$ _____

15 $54 \div 9 =$ _____

16 $48 \div 8 =$ _____

17 $49 \div 7 =$ _____

18 $27 \div 3 =$ _____

Answers:

4	4	9	6	7	10
5	10	3	3	6	7
8	6	6	7	6	9

Using a Multiplication Table

Name: _____

×	1	2	3	4	5	6	7	8	9	10
1	1	2	3	4	5	6	7	8	9	10
2	2	4	6	8	10	12	14	16	18	20
3	3	6	9	12	15	18	21	24	27	30
4	4	8	12	16	20	24	28	32	36	40
5	5	10	15	20	25	30	35	40	45	50
6	6	12	18	24	30	36	42	48	54	60
7	7	14	21	28	35	42	49	56	63	70
8	8	16	24	32	40	48	56	64	72	80
9	9	18	27	36	45	54	63	72	81	90
10	10	20	30	40	50	60	70	80	90	100

Write the missing numbers in the boxes to make each multiplication or division problem true.

$5 \times 7 = \square$

$32 \div 8 = \square$

$4 \times 7 = \square$

$27 \div \square = 9$

$\square \div 5 = 7$

$8 \times \square = 32$

$\square \div 4 = 7$

$9 \times \square = 27$

$4 \times 4 = \square$

$9 \times 6 = \square$

$6 \times 6 = \square$

$81 \div \square = 9$

$\square \div 4 = 4$

$54 \div \square = 6$

$63 \div \square = 9$

$40 \div 8 = \square$

$\square \div 8 = 6$

$56 \div \square = 8$

$45 \div 5 = \square$

$\square \div 7 = 7$

1 Write 3 possible answers for the equation $36 \div \square = \square$.

Solve. Look for patterns.**1** Subtract.

$10 - 1 = \underline{\hspace{2cm}}$

$20 - 1 = \underline{\hspace{2cm}}$

$30 - 1 = \underline{\hspace{2cm}}$

$100 - 1 = \underline{\hspace{2cm}}$

$200 - 1 = \underline{\hspace{2cm}}$

$300 - 1 = \underline{\hspace{2cm}}$

$200 - 100 = \underline{\hspace{2cm}}$

$300 - 100 = \underline{\hspace{2cm}}$

$400 - 100 = \underline{\hspace{2cm}}$

$200 - 101 = \underline{\hspace{2cm}}$

$300 - 101 = \underline{\hspace{2cm}}$

$400 - 101 = \underline{\hspace{2cm}}$

2 Multiply.

$2 \times 10 = \underline{\hspace{2cm}}$

$2 \times 9 = \underline{\hspace{2cm}}$

$3 \times 10 = \underline{\hspace{2cm}}$

$3 \times 9 = \underline{\hspace{2cm}}$

$4 \times 10 = \underline{\hspace{2cm}}$

$4 \times 9 = \underline{\hspace{2cm}}$

$5 \times 10 = \underline{\hspace{2cm}}$

$5 \times 9 = \underline{\hspace{2cm}}$

$6 \times 10 = \underline{\hspace{2cm}}$

$6 \times 9 = \underline{\hspace{2cm}}$

$7 \times 10 = \underline{\hspace{2cm}}$

$7 \times 9 = \underline{\hspace{2cm}}$

$8 \times 10 = \underline{\hspace{2cm}}$

$8 \times 9 = \underline{\hspace{2cm}}$

$9 \times 10 = \underline{\hspace{2cm}}$

$9 \times 9 = \underline{\hspace{2cm}}$

3 Describe the patterns that you notice in the problems you just solved.

Read and solve each problem. Show your work.

1 Heather has 18 photographs of rockets. She wants to hang them on 3 different walls in her room. Each wall will have the same number of photographs. How many photographs will hang on each wall?

There will be _____ photographs on each wall.

2 There are 24 people who want to play volleyball. The coach divides the players into teams of 6. How many teams can she make?

The coach can make _____ teams.

3 At an art show, there are 7 groups of paintings with 6 paintings in each group. How many paintings are there in all?

There are _____ paintings.

4 Jasmine reads for 10 minutes each night. If she reads for 5 nights, how many minutes will she read in all?

Jasmine will read for _____ minutes.

5 Rhonda plants 28 tomato plants in her garden. She plants 7 tomato plants in each row. How many rows does she plant?

Rhonda plants _____ rows.

6 Mr. Jones buys 6 packages of pencils. There are 8 pencils in each package. How many pencils does Mr. Jones buy?

Mr. Jones buys _____ pencils.

7 Choose one problem. Describe the strategy you used to solve it.

Read and solve each problem. Show your work.

1 A parking lot has 6 rows of parking spaces. There are 5 spaces in each row. How many parking spaces are in the lot?

There are _____ parking spaces.

2 Jack has 36 toy robots. He wants to display 9 on each shelf in his room. How many shelves will Jack need to display all of the robots?

Jack will need _____ shelves.

3 There are 24 dancers. The teacher has them stand in 3 equal rows. How many dancers are in each row?

There are _____ dancers in each row.

4 Emily is putting away plates. She puts 6 plates each in 3 stacks. How many plates does she put away?

Emily puts away _____ plates.

5 A farmer picks 54 pumpkins. She places an equal number of pumpkins in 9 wagons. How many pumpkins are in each wagon?

There are _____ pumpkins in each wagon.

6 The school band marches in rows at the parade. There are 24 band members and they form rows with 4 members in each row. How many rows are there?

There are _____ rows.

7 Choose one problem. Describe and use a strategy to check your answer.

Read and solve each problem. Show your work.

- 1** Nya covers a rectangular tray with 1-square-inch tiles. She uses 42 tiles, arranged in 7 rows. How many tiles are in each row?

There are _____ tiles in each row.

- 3** Sara covers the top of a box with squares of paper that are 1 square centimeter. She uses 48 squares, with 6 squares in each row. How many rows did she make?

Sara made _____ rows.

- 5** A rectangular patio at an outdoor restaurant is made of 35 tiles. Each tile is 1 square yard. If there are 5 tiles in each row, how many rows are there?

There are _____ rows of tiles.

- 2** Jacob uses tiles to cover a rectangular hallway. Each tile has an area of 1 square foot. He uses 3 rows of tiles, with 8 tiles in each row. What is the area of the hallway?

The area of the hallway is _____ square feet.

- 4** There are 64 squares on Rasha's chessboard. Each square is 1 square inch. There are 8 rows of squares on her chessboard. How many squares are in each row?

There are _____ squares in each row.

- 6** Mr. Reilly uses square pieces of fabric that are each 1 square inch for a rectangular wall hanging. He uses 81 squares. If he makes 9 rows of squares, how many squares will be in each row?

There will be _____ squares in each row.

- 7** Choose one problem. Describe the strategy you used to solve it.

- 8** Explain why you chose that strategy to solve the problem.

Read and solve each problem by writing an equation for each step. Use letters for the unknown numbers. Show your work.

- 1** Hiram has 12 cups of flour in a bag and 6 cups of flour in a jar. He is making batches of bread that each call for 3 cups of flour. How many batches of bread can Hiram make?

Hiram can make _____ batches of bread.

- 2** Cassi bought 50 pounds of dirt. She used 10 pounds to fill a hole in her yard. Then she filled pots with 5 pounds of soil in each pot. How many pots could she fill?

Cassi can fill _____ pots.

- 3** Becky has 6 packages of clay that each weigh 5 pounds. To make a bowl, she needs 3 pounds of clay. How many bowls can Becky make?

Becky can make _____ bowls.

- 4** Marc has 36 pounds of apples to use to make pies. He uses 4 pounds of apples for each pie. Marc uses all of the apples to make pies, and then sells each pie for \$8. How much money does Marc collect for all the pies?

Marc collects \$ _____ for all the pies.

- 5** Choose one problem. Tell how you could solve the problem in a different way.

Solving Two-Step Word
Problems Using One Equation

Name: _____

**Read and solve each problem by writing one equation.
Show your work.**

- 1** Mrs. Nelson has one \$10-bill and one \$20-bill. She wants to buy as many movie tickets as she can with this money. If movie tickets cost \$6 each, how many tickets, t , can she buy?

Mrs. Nelson can buy _____ tickets.

- 2** Daisy has a goal of reading 75 minutes in one week. She reads 9 minutes a day for 5 days. How many more minutes, m , will she have to read to reach her goal?

Daisy will have to read _____ more minutes.

- 3** Mr. Garcia buys 3 bags of cat food that each weigh 9 pounds and another bag of cat food that weighs 7 pounds. How many pounds, p , of cat food did Mr. Garcia buy?

Mr. Garcia bought _____ pounds of cat food.

- 4** Jackson has 48 trading cards. His sister gives him 12 more cards. Then he puts all his trading cards in 6 equal stacks. How many cards, c , are in each stack?

There are _____ cards in each stack.

- 5** Choose one problem. Explain how you decided which operations to use to solve it.

Read each problem. Estimate the answer by rounding to the nearest ten. Then find the actual answer. Show your work.

- 1** Marie has 231 toothpicks in one box and 175 toothpicks in another box. She uses 319 toothpicks to make a bridge. How many toothpicks does she have left?

Estimate: There are about _____ toothpicks left.

Marie has _____ toothpicks left.

- 2** Kennedy School has 124 third-grade students. Carter School has 16 fewer third-grade students than Kennedy School. How many third-grade students in all are at Kennedy School and Carter School?

Estimate: There are about _____ students.

There are _____ students.

- 3** There are 197 oak trees in the park. There are 27 more pine trees than oak trees in the park. How many trees are there in all?

Estimate: There are about _____ trees.

There are _____ trees in all.

- 4** On the first day of a bus trip, Brian and his dad traveled 341 miles. On the second day, they traveled 39 fewer miles. How many miles did they travel in all after two days?

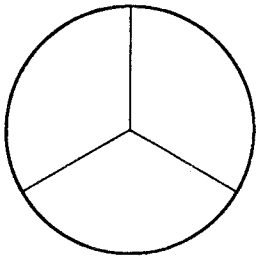
Estimate: They traveled about _____ miles.

They traveled _____ miles.

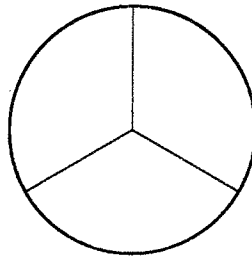
- 5** How does an estimate help you decide if your answer is reasonable?

Write the fraction of the figure that is shaded.

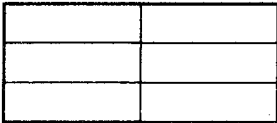
1



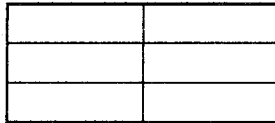
2



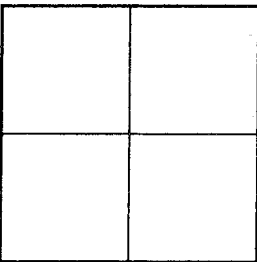
3



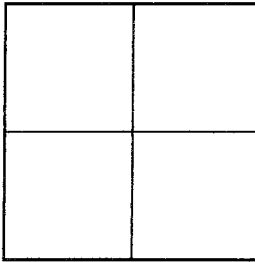
4



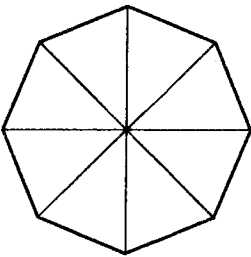
5



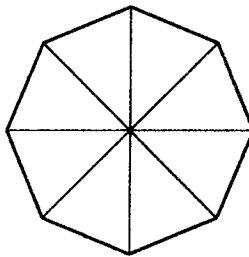
6



7



8



Describing Parts of a Whole
with Fractions

Name: _____

9 Draw a circle that shows 4 equal parts. Then shade to show $\frac{2}{4}$.

10 Draw a rectangle that shows 3 equal parts. Then shade to show $\frac{2}{3}$.

11 Draw a square that shows 8 equal parts. Then shade to show $\frac{3}{8}$.

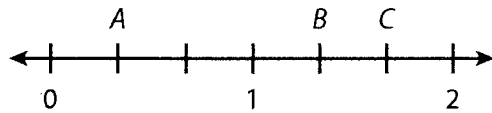
12 Draw a circle that shows 6 equal parts. Then shade to show $\frac{5}{6}$.

Understanding of fractions
and decimals. Part 1 has continued

Name: _____

Set C

Use this number line to solve problems 5–7.



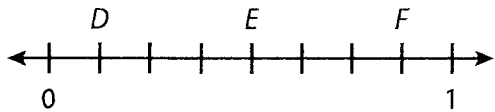
5 A is _____.

6 B is _____.

7 C is _____.

Set D

Use this number line to solve problems 8–10.



8 D is _____.

9 E is _____.

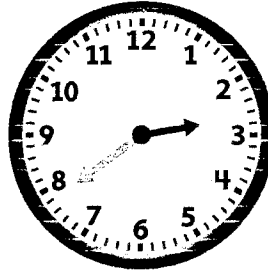
10 F is _____.

Write the time the clock shows.

1



2



3



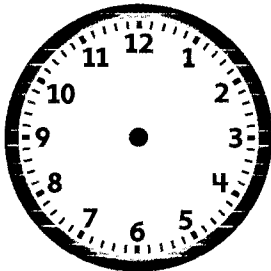
4



Draw hands on the clock to show the given time.

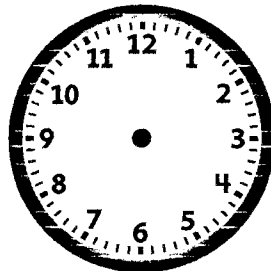
5

16 minutes after 1

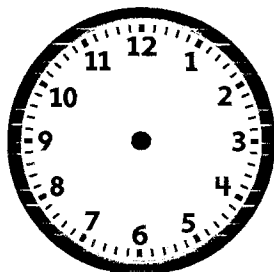


6

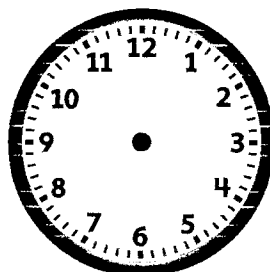
7 minutes before 9



7 35 minutes after 3



8 26 minutes before 8



9 Write a word problem that could use one of the times shown on one of the clocks.