

Mathematics Revision Unit 3

Dear Parents,

As we are coming to the end of Unit 3 in mathematics there will be a short assessment on **Wednesday, 14th November**. Below is the content that should be revised along with some practice pages and notes from the Student Reference Book.

Please go over this work with your child and check the answers together.

Content to be covered	Student Reference Book Pages	Practice Sheets
Fact triangles and basic facts	Pg. 16 & 17	Study link 3.3 Worksheet attached Fact triangles
True & False number sentences	Pg. 148	Study Link 3.9 Lesson 3.9
Fill in the missing number to make the number sentence true	Pg. 16	Study Link 3.4
Answer questions from a bar graph	Pg. 73 & 76	
Solve addition and subtraction number stories	Pg. 175	Study Link 3.8 Worksheet attached
Complete "What's my Rule?" tables	Pg. 162-166	Lesson 3.1
List factors of a number		Study Link 3.4
Solve open number sentences	Pg. 16, 20 and 148	Study Link 3.5 Study Link 3.11
Complete a Venn Diagram		Worksheet attached
Games in the SRB that support learning: <ul style="list-style-type: none">• Pages 231 – 234• Page 240		



Next to each number sentence, write T if it is true, F if it is false, or ? if you can't tell.

1. $20 - 12 = 8 * 3$ _____

2. $7 = 14 * 2$ _____

3. $497 < 500$ _____

4. $16 / 4 = 4$ _____

5. $15 + 10 = 5$ _____

6. $24 > 11 + 11$ _____

7. $100 - 5 = 95$ _____

8. $33 - 4$ _____

9. Write two true number sentences. _____

10. Write two false number sentences. _____

11. a. Explain why $7 * 8$ is not a number sentence.b. How could you change $7 * 8$ to make a true number sentence?c. How could you change $7 * 8$ to make a false number sentence?

Practice

12. 24, _____, 48, _____, 72, _____

Rule: _____

13. _____, 108, 162, _____, 270, _____

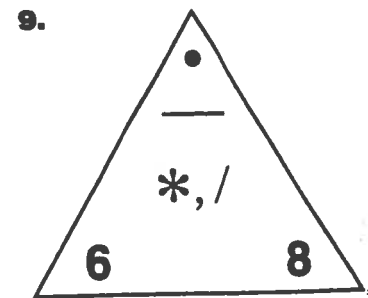
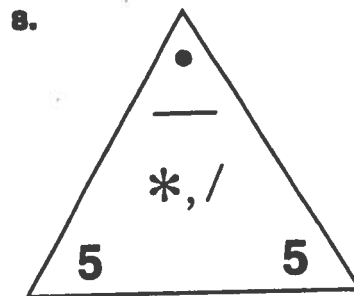
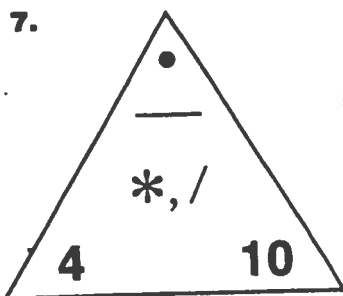
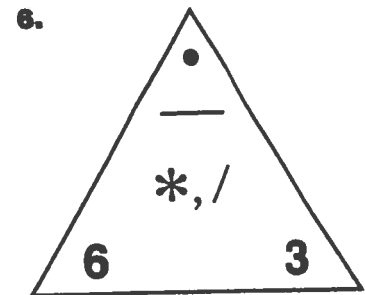
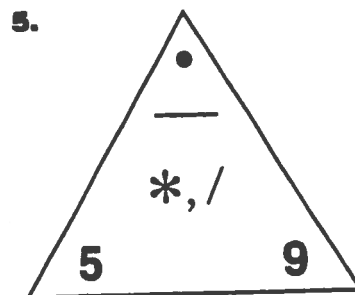
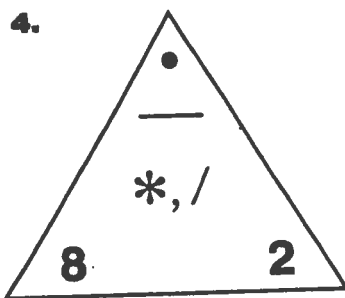
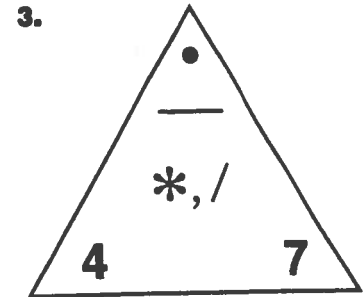
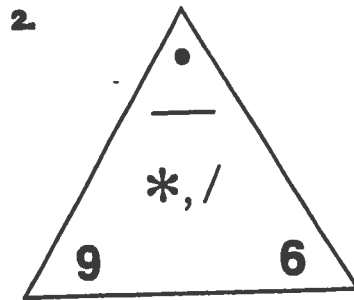
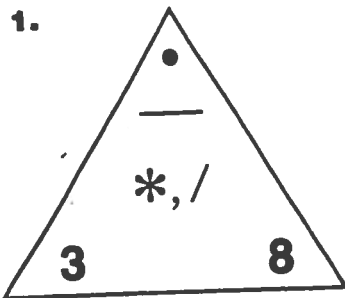
Rule: _____

STUDY LINK
3·3

Fact Triangles



Complete these Multiplication/Division Fact Triangles.



Practice

10. Name 4 multiples of 7. _____, _____, _____, _____

11. List all the factors of 18. _____

12. Name the product of 9 and 6. _____

13. List all the factor pairs of 20.

_____ and _____, _____ and _____, _____ and _____

STUDY LINK
3•4

Mystery Numbers



Find the mystery numbers.

- I am thinking of a mystery number. If I multiply it by 4, the answer is 24. What is the number? _____
- I am thinking of another number. If I multiply it by 3, the answer is 24. What is the number? _____
- I multiplied a number by itself and got 36. What is the number? _____
- If I multiply 7 by a number, I get 21. What is the number? _____
- Write your own mystery number problem.

Fill in the missing numbers.

- | | |
|------------------------|--------------------|
| 6. $4 * 5 =$ _____ | _____ $* 4 = 20$ |
| 7. _____ $= 6 * 3$ | $18 =$ _____ $* 3$ |
| 8. $7 * 7 =$ _____ | _____ $* 7 = 49$ |
| 9. _____ $* 2 = 18$ | $18 =$ _____ $* 9$ |
| 10. $35 =$ _____ $* 5$ | _____ $* 7 = 35$ |
| 11. $28 =$ _____ $* 4$ | _____ $* 7 = 28$ |

Practice

- Name 4 multiples of 5. _____, _____, _____, _____
- List all the factors of 24. _____

LESSON
3•9
Number Sentences


Tell whether each number sentence below is true or false. Write T for true or F for false. If it is not possible to tell, write ? on the answer blank.

- | | |
|--------------------------------------|----------------------------------|
| 1. $7 < 3 + 1$ _____ | 2. $6 = 36 \div 6$ _____ |
| 3. $80 - ? = 40$ _____ | 4. $28 - 16 = 12$ _____ |
| 5. $0 = 4 / 4$ _____ | 6. $2 * 7$ _____ |
| 7. $14 \times 3 < 19 \times 2$ _____ | 8. $144 + 76 = 880 \div 4$ _____ |

9. Make up two true number sentences and two false number sentences.

- a. true _____
- b. true _____
- c. false _____
- d. false _____

10. Make up three true number sentences and three false number sentences. Mix them up. Ask your partner to write whether each sentence is true or false.

Example: $4 * 7 = 34 - 6$ _____ T

- a. _____
- b. _____
- c. _____
- d. _____
- e. _____
- f. _____

STUDY LINK
3•4

Mystery Numbers



Find the mystery numbers.

1. I am thinking of a mystery number. If I multiply it by 4, the answer is 24. What is the number? _____
2. I am thinking of another number. If I multiply it by 3, the answer is 24. What is the number? _____
3. I multiplied a number by itself and got 36. What is the number? _____
4. If I multiply 7 by a number, I get 21. What is the number? _____
5. Write your own mystery number problem.

Fill in the missing numbers.

6. $4 * 5 =$ _____ _____ $* 4 = 20$
7. _____ $= 6 * 3$ $18 =$ _____ $* 3$
8. $7 * 7 =$ _____ _____ $* 7 = 49$
9. _____ $* 2 = 18$ $18 =$ _____ $* 9$
10. $35 =$ _____ $* 5$ _____ $* 7 = 35$
11. $28 =$ _____ $* 4$ _____ $* 7 = 28$

Practice

12. Name 4 multiples of 5. _____, _____, _____, _____
13. List all the factors of 24. _____

STUDY LINK
3•8
Addition and Subtraction Number Stories


1. In 1896, the United Kingdom had the largest navy in the world with 659 ships. France had the second-largest navy with 457 ships. The United States was tenth with only 95 ships. How many more ships did the United Kingdom have than France?

_____ **Answer:** _____ more ships
 (number model)

2. Rhode Island, the smallest state in the United States, has an area of 1,545 square miles. The area of the second-smallest state, Delaware, is 2,489 square miles. What is the combined area of these two states?

_____ **Answer:** _____ square miles
 (number model)

3. A polar bear can weigh as much as 700 kilograms. An American black bear can weigh as much as 227 kilograms. How much more can a polar bear weigh than an American black bear?

_____ **Answer:** _____ kilograms more
 (number model)

4. The Pacific leatherback turtle's maximum weight is about 1,552 pounds. The Atlantic leatherback turtle's maximum weight is about 1,018 pounds. What is the difference between the turtles' weights?

_____ **Answer:** _____ pounds
 (number model)

5. According to the National Register of Historic Places, New York City has the most historic places in the United States with 624 sites. Philadelphia is second with 470 sites, and Washington, D.C., is third with 336 sites. How many historic sites are there in these three cities?

_____ **Answer:** _____ historic sites
 (number model)

Practice

6. The numbers 81, 27, and 45 are multiples of _____.

7. List the first ten multiples of 6.

_____, _____, _____, _____, _____, _____, _____, _____, _____, _____

STUDY LINK
3·5

Missing Numbers



Complete each fact by filling in the missing numbers.
 Use the Multiplication/Division Facts Table to help you.

1. $30 \div 6 = \underline{\hspace{2cm}}$

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

3. $9 = \underline{\hspace{2cm}} \div 8$

4. $100 \div \underline{\hspace{2cm}} = 10$

5. $\underline{\hspace{2cm}} \div 4 = 8$

6. $25 \div \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

7. $\underline{\hspace{2cm}} = 42 \div \underline{\hspace{2cm}}$

8. $8 \div \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

9. $4 = \underline{\hspace{2cm}} \div \underline{\hspace{2cm}}$

10. $\underline{\hspace{2cm}} \div \underline{\hspace{2cm}} = 1$

11. $\underline{\hspace{2cm}} \div 2 = \underline{\hspace{2cm}}$

12. $10 \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

Try This

13. $5 \times \underline{\hspace{2cm}} \times \underline{\hspace{2cm}} = 30$

14. $54 = \underline{\hspace{2cm}} \times \underline{\hspace{2cm}} \times \underline{\hspace{2cm}}$

* /	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

Practice

15. $\underline{\hspace{2cm}} = 989 + 657$

16. $314 + 4,719 = \underline{\hspace{2cm}}$

17. $887 - 598 = \underline{\hspace{2cm}}$

18. $\underline{\hspace{2cm}} = 2,004 - 716$

LESSON
3•1

“What’s My Rule?”



Complete the “What’s My Rule?” tables and state the rules.

1.

in
↓

Rule

Add 30

↓
out

in	out
30	
80	
20	
150	
290	

2.

in
↓

Rule

-80

↓
out

in	out
	50
	210
	20
	270
	340

3.

in
↓

Rule

↓
out

in	out
49	72
151	
272	295
	611
	503

4. Rule: There are 12 inches in 1 foot.

in	out
3	36
	60
10	
	264
	720

Try This

5. Rule: _____

in	out
17	-8
12	
27	2
-5	
	0

6. Create your own.

Rule: _____

in	out

STUDY LINK
3·11

Open Sentences



Write T if the number sentence is true and F if the number sentence is false.

1. $35 = 7 * 5$ _____

2. $43 > 34$ _____

3. $25 + 25 < 50$ _____

4. $49 - (7 \times 7) = 0$ _____

Make a true number sentence by filling in the missing number.

5. _____ = $12 / (3 + 3)$

6. $(60 - 28) / 4 =$ _____

7. $(3 \times 8) \div 6 =$ _____

8. $30 - (4 + 6) =$ _____

Make a true number sentence by inserting parentheses.

9. $4 * 2 + 10 = 18$

10. $16 = 16 - 8 * 2$

11. $27 / 9 / 3 = 1$

12. $27 / 9 / 3 = 9$

Find the solution of each open sentence below. Write a number sentence with the solution in place of the variable. Check to see whether the number sentence is true.

Example: $6 + x = 14$

Solution: 8

Number sentence: $6 + 8 = 14$

Open sentence

Solution

Number sentence

13. $12 + x = 32$

14. $s = 200 - 3$

15. $5 * y = 40$

16. $7 = x / 4$

Practice

17. $366 + 7,565 =$ _____

18. $3,238 + 9,784 =$ _____

19. $9,325 - 756 =$ _____

20. $4,805 - 2,927 =$ _____

Number stories

Write a **number model** and **solve** the addition and subtraction stories.

1) There are 21 students in Mr. William's class, 20 students in Ms Ita's class, and 19 students in Mr Josh's class. How many students do all three teachers have together?

Number Model : _____ students

2) Ms Tracy has 14 apples for her lunch. She is a nice teacher so she gives Mr Peter 6 apples. How many apples does Ms Tracy have now?

Number Model : _____ apples

3) Mr Gideon is drives his car at 80 kilometers per hour. Mr Faris passes Mr Gideon in his car driving 99 kilometers per hour. How much faster is Mr Faris driving than Mr Gideon?

Number Model : _____ kilometers per hour

4) On one ice island there are 37 penguins. On the other island there is only 24 penguins. How many penguins are there on both islands?

Number Model : _____ penguins

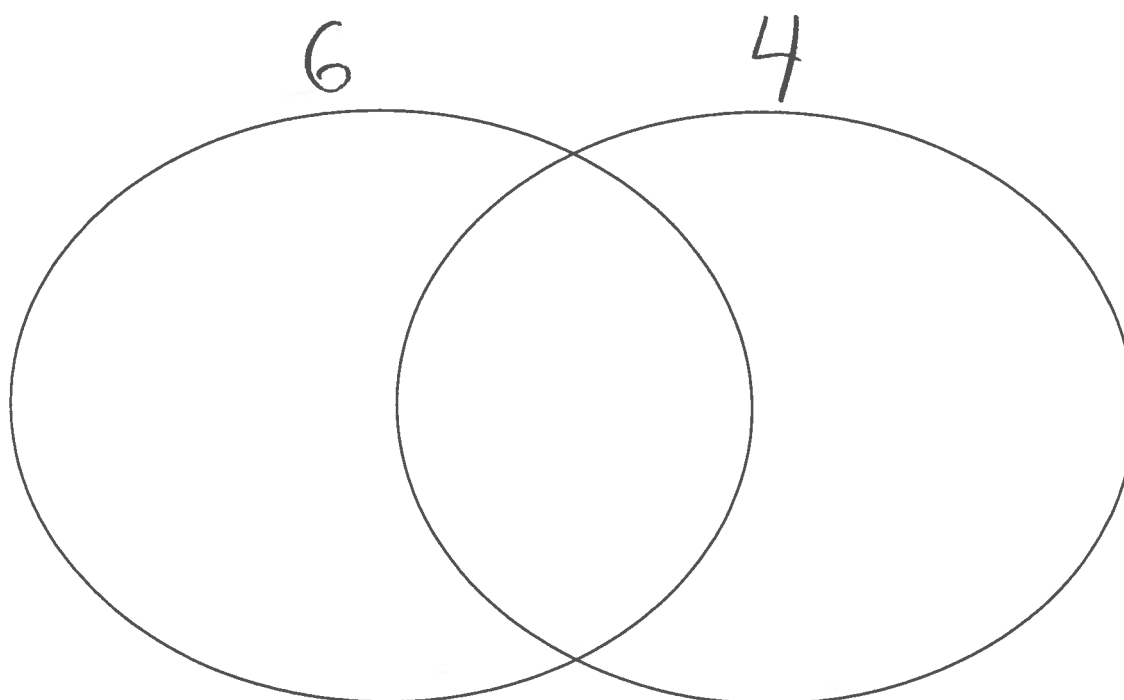
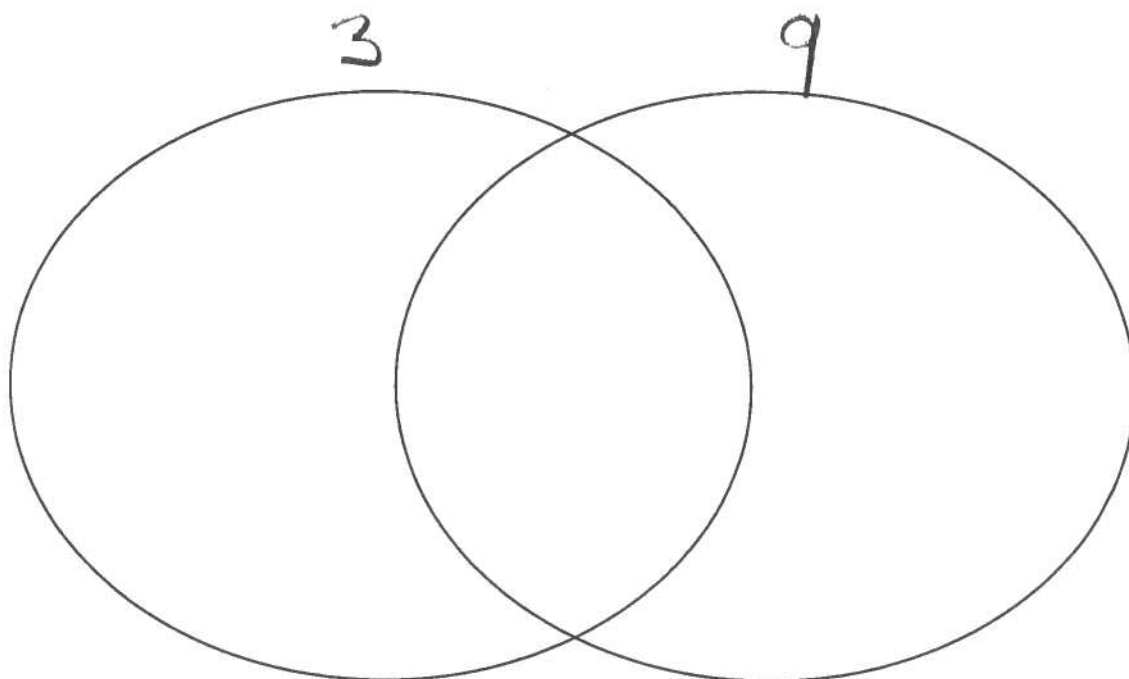
5a) A big bad dragon was very hungry one day. He went out and ate 13 princesses and the 26 knights trying to protect them. How many more knights than princesses did the dragon eat?

Number Model : _____ knights

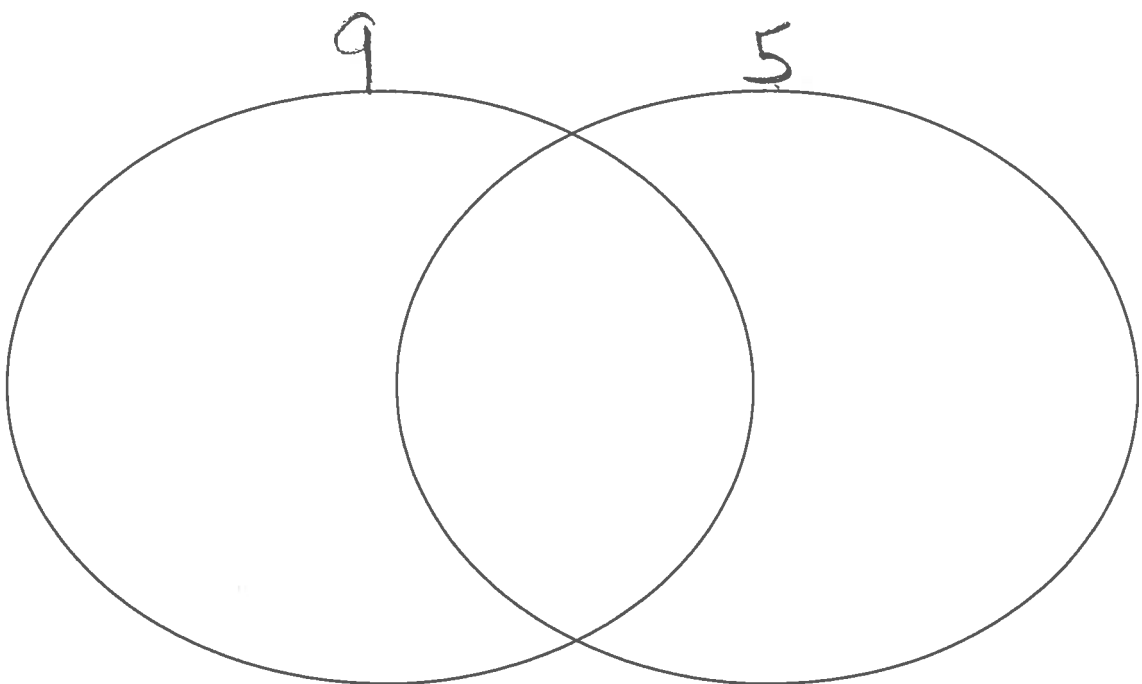
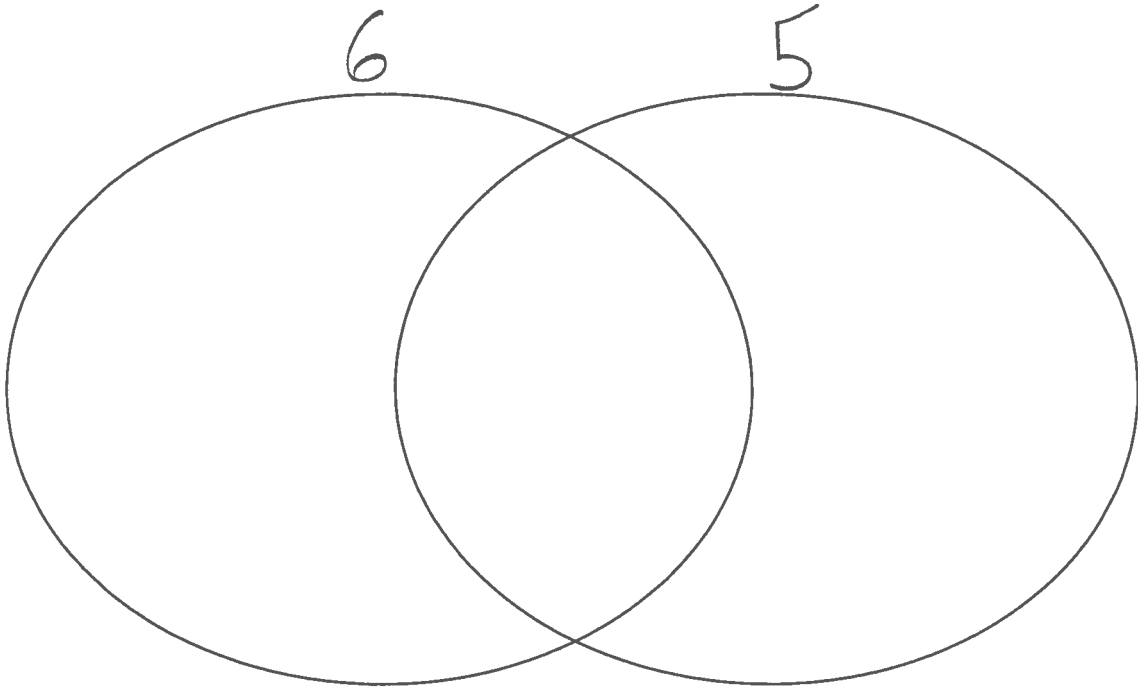
5b) How many people did the dragon eat altogether that day?

Number Model : _____ people

List the **multiples** of each number in the circle below. Where the circles crossover write the multiples that are the same.



List the **multiples** of each number in the circle below. Where the circles crossover write the multiples that are the same.



$5 \times 3 =$

$8 \times 5 =$

$4 \times 5 =$

$8 \times 6 =$

$7 \times 6 =$

$7 \times 5 =$

$5 \times 8 =$

$6 \times 4 =$

$6 \times 5 =$

$4 \times 5 =$

$4 \times 4 =$

$6 \times 6 =$

$4 \times 5 =$

$7 \times 7 =$

$9 \times 3 =$

$4 \times 7 =$

$7 \times 7 =$

$9 \times 5 =$

$9 \times 5 =$

$5 \times 8 =$

$4 \times 5 =$

$7 \times 4 =$

$8 \times 7 =$

$5 \times 6 =$

$4 \times 3 =$

$9 \times 4 =$

$8 \times 5 =$

$3 \times 4 =$

$8 \times 4 =$

$6 \times 9 =$

$5 \times 7 =$

$6 \times 4 =$

$9 \times 4 =$

$4 \times 3 =$

$3 \times 4 =$

$5 \times 6 =$

$3 \times 7 =$

$7 \times 8 =$

$9 \times 5 =$

$10 \times 12 =$

$10 \times 9 =$

$7 \times 9 =$

$6 \times 11 =$

$10 \times 3 =$

$9 \times 4 =$

$3 \times 11 =$

$8 \times 10 =$

$4 \times 6 =$

$11 \times 10 =$

$10 \times 10 =$

$4 \times 8 =$

$5 \times 12 =$

$6 \times 11 =$

$6 \times 8 =$

$11 \times 7 =$

$9 \times 9 =$

$10 \times 6 =$

$3 \times 5 =$

$7 \times 11 =$

$4 \times 3 =$

$9 \times 7 =$

$8 \times 8 =$

$7 \times 8 =$

$7 \times 6 =$

$9 \times 7 =$

$7 \times 7 =$

$8 \times 8 =$

$6 \times 6 =$

$7 \times 8 =$

$7 \times 6 =$

$8 \times 8 =$

$7 \times 9 =$

$7 \times 7 =$

$7 \times 9 =$

$8 \times 7 =$