6th Grade FUESD Study Plan

Week 4	Monday/ lunes	Tuesday/ martes	Wednesday/ miercoles	Thursday/ jueves	Friday/viernes
ELA/ Science	• Read 30 minutes independently (Reading Log Week 2) • 1 Lexia/or Reading Plus Lesson • Daily Journal Entry • Read: DE-Comparing Plant and Animal Cells • Complete Week 4 Monday's graphic organizer	• Read 30 minutes independently (Reading Log Week 2) • 1 Lexia/ or Reading Plus Lesson • Read: DE-Comparing Plant and Animal Cells • Answer Week 4 Tuesday's questions	• Read 30 minutes independently (Reading Log Week 2) • 1 Lexia/or Reading Plus Lesson • Daily Journal Entry • Read: DE-Oh, the Pressure! • Complete Week 4 Wednesday's graphic organizer	• Read 30 minutes independently (Reading Log Week 2) • 1 Lexia/or Reading Plus Lesson • Daily Journal Entry • Read: DE-Oh, the Pressure! • Complete Week 4 Thursday's writing	• Read 30 minutes independently (Reading Log Week 2) • 1 Lexia/or Reading Plus Lesson • Daily Journal Entry • Read DE-A Fight to the Death • Complete Week 4 Friday's activity
Math	• 1 Dreambox or ST Lesson • Monday Homework: Submit math homework here • Math Sprint: 329A First Half # 1-20 • Watch: Fraction, decimal, and percent from visual model • Lesson 26 Exercises 1-4	• 1 Dreambox or ST Lesson • Tuesday Homework: Submit math homework here • Math Sprint: 328B First Half #1-30: • Practice: Relate fractions, decimals, and percents • Lesson 26: Problem Set 1-3	• 1 Dreambox or ST Lesson • Wednesday Homework: Submit math homework here • Math Sprint: 328A Second Half #1-30: • Watch: Converting decimals to percents: 0.601 & Converting decimals to percents 1.501 • Lesson 27: Example 1 & Exercise	• 1 Dreambox or ST Lesson • Thursday Homework: Submit math homework here • Math Sprint: 328A First Half #1-30: • Practice: Covert decimals to percents • Watch: Converting percents to decimals: 59.2% • Lesson 27: Problem Set #1-2	• 1 Dreambox or ST Lesson • Math Sprint: 327B Second Half # 1-20: • Watch: Convert percents to decimals: 113.9% • Practice: Convert percents to decimals • Lesson 29: Problem Set #1-3
PE	• Choose 3 bingo fitness tasks	• Choose 3 bingo fitness tasks	• Choose 3 bingo fitness tasks	• Choose 3 bingo fitness tasks	• Choose 3 bingo fitness tasks

6th Grade Reading Log Week 4

Monday:

Book/Chapter(s) read:	
Minutes read:	
Write 3-5 sentences about the reading:	

Tuesday:

Book/Chapter(s) read:	
Minutes read:	
Write 3-5 sentences about the reading:	

Wednesday:

Book/Chapter(s) read:	
Minutes read:	
Write 3-5 sentences about the reading:	

Thursday:

Book/Chapter(s) read:	
Minutes read:	
Write 3-5 sentences about the reading:	

Friday:

Book/Chapter(s) read:	
Minutes read:	
Write 3-5 sentences about the reading:	

Parent Signature:_____Date: _____

The Castle

Writing Prompts Ideas

- I built a castle on…
- While rowing my boat, I came across…
- As I came across this mysterious rock, I …
- I decided to climb the ladder that led to the door and…

Five Ws and One H

Why...

- Who is the character?
- Where is the character?
- When did the event take place?

Why...

- Why is the character there?
- Why did this happen?
- Did something cause this to happen?

What...

- What is happening?
- Can you provide more detailed information?

How...
- How did the character get there?
- How did the character get out of their situation?
- How did this happen?
- Can you provide more information to prove this?

Monday: Write the beginning of the story using one of the given "**Writing Prompt Ideas.**"

Wednesday: Write the middle of the story.

Friday: Write the end of the story.

Directions for activity and questions from Discovery Education: DIVIDING TO CONQUER To get an idea of how fast cancer cells can crowd out healthy tissue, try this exercise.

Step 1: Gather together a large number of two different types of objects, for example pennies and dimes, or two different sizes of paper clips. One type of object will represent healthy cells, and the other will represent cancer cells.

Step 2: Start with one object from each group, and using a second hand on a watch, demonstrate what would happen if in a certain type of tissue normal cells divide once every 10 seconds, while cancer cells divide twice as fast in the same amount of time.

Step 3: Cluster the objects representing the cancer cells in the middle of the objects representing healthy tissue.

1. What has happened after one minute of cell division?

2. What does this demonstration show you about how cancer cells can intrude upon healthy tissue cells?

3. What might this mean for the organ that the healthy cells belong to?

DE: Comparing Plant and Animal Cells Questions

Directions: Use the Comparing Plant and Animal Cells graphic organizer to help you answer the questions.

1. What organelles are present in plant cells that are not present in animal cells?

2. Differentiate between the structure and function of the different organelles in plant cells.

3. Why do plant and animal cells have many of the same organelles?

4. Structures within cells are specialized for specific functions. One analogy is structures within a city, which are specialized to carry out needed functions of the city. In what ways can a city be considered a model of a cell?

Directions: Compare the two lists below and write the correct combination of letter and number for the structures of a city with the structures of the cell based on their analogous functions.

City Structures	Cell Structures	Type matching structures here. Use one letter and one number.
A. city hall	1. cell membrane	
B. electric power station	2. cell wall	
C. food factory	3. nucleus	
D. guards at city gates	4. mitochondrion	
E. strong brick wall around city	5. chloroplast	

Directions: Re-read "Oh, the Pressure!" to complete the table and the question.

Table

Thinking Prompt	Answer Here
A = Adjective: List a word or two that describes something you saw or learned.	
E = Emotion: Describe how a particular part of the article made you feel.	
I = Interesting: Write something you found interesting about the content/topic.	
O = Oh!: Describe something that caused you say "Oh!"	
U = Um?: Write a question you have, or what you want to learn more about.	

Question

1. Turgor pressure is the pressure of the fluid inside the plant cell. What structure of a plant cell helps to keep it standing upright? How do you know this?

Directions: In the black text box you write how plant and animal cells are similar. The yellow and green text boxes are where you write the differences between plant and animal cells.

Plant cells:

-

Animal cells:

-

Vocabulary

Word: **Pressure**

Definition	Facts/Characteristics

Examples	Non-Examples

Illustration:

Vocabulary

Word: **Turgor Pressure**

Definition	Facts/Characteristics

Examples	Non-Examples

Illustration:

MONDAY

Directions: Answer the below questions.

6th Grade Homework

Monday: Show your work on separate paper.

1. $508 \times 49 =$

2. $9{,}300 \div 72 =$

3. $\frac{1}{4} - \frac{1}{5} =$

4. $\frac{1}{7} \times 6 =$? Will the product be more or less than 6 ?

5. $79 + 50.64 =$

Directions: Please submit your math answers here.
1.
2.
3.
4.
5.

TUESDAY

Directions: Answer the below questions.

Tuesday: Show your work on separate paper.

1. 5,411 × 42 =

2. A restaurant needs to buy one hundred seventy-six new plates. If each box has seventeen plates in it, how many boxes will they need to buy?

3. Tom jogged $10\frac{2}{9}$ kilometers on Monday and $6\frac{2}{3}$ kilometers on Tuesday. What is the difference between these two distances?

4. For a party Paul bought cupcakes, with $\frac{1}{2}$ being chocolate. Of the chocolate cupcakes $\frac{2}{5}$ of them had sprinkles. What fraction of the cupcakes were chocolate with sprinkles?

5. 45.9 - 31.82 =

Directions: Please submit your math answers here.

1.	
2.	
3.	
4.	
5.	

WEDNESDAY

Directions: Answer the below questions.

Wednesday: Show your work on separate paper.

1. In NYC each mail truck has 795 pieces of junk mail. If there are 80 mail trucks, how many pieces of junk mail do they have total?

2. $8,372 \div 92 =$

3. $\frac{13}{4} + 2\frac{2}{6} =$

4. $\frac{1}{8} \div 9 =$

5. $42.65 \times 7.0 =$

Directions: Please submit your math answers here.
1.
2.
3.
4.
5.

THURSDAY

Directions: Answer the below questions.

Thursday: Show your work on separate paper.

1. A new library received 822 boxes of books with 798 books in each box. How many books did the library receive total?

2. A builder needed to buy three hundred twenty-four nails for his latest project. If the nails he needs come in boxes of thirty-two, how many boxes will he need to buy?

3. Victor drew a line that was $4\frac{3}{8}$ inches long. If he drew a second line that was $2\frac{2}{3}$ inches long, what is the difference between the length of the two lines?

4. $6\frac{5}{8} \times \frac{21}{9} = ?$ Will the product be more or less than $6\frac{5}{8}$?

5. $52.2 \div 0.4 =$

Directions: Please submit your math answers here.
1.
2.
3.
4.
5.

Exercises

1. There are 60 animal exhibits at the local zoo. What percent of the zoo's exhibits does each animal class represent?

Exhibits by Animal Class	Number of Exhibits	Percent of the Total Number of Exhibits
Mammals	30	
Reptiles & Amphibians	15	
Fish & Insects	12	
Birds	3	

2. A sweater is regularly $32. It is 25% off the original price this week.

   a. Would the amount the shopper saved be considered the part, whole, or percent?

   b. How much would a shopper save by buying the sweater this week? Show two methods for finding your answer.

3. A pair of jeans was 30% off the original price. The sale resulted in a $24 discount.

    a. Is the original price of the jeans considered the whole, part, or percent?

    b. What was the original cost of the jeans before the sale? Show two methods for finding your answer.

4. Purchasing a TV that is 20% off will save $180.

    a. Name the different parts with the words: PART, WHOLE, PERCENT.

_____	_____	_____
20% off	$180	Original Price

    b. What was the original price of the TV? Show two methods for finding your answer.

Lesson Summary

Models and diagrams can be used to solve percent problems. Tape diagrams, 10×10 grids, double number line diagrams, and others can be used in a similar way to using them with ratios to find the percent, the part, or the whole.

1. What is 15% of 60? Create a model to prove your answer.

2. If 40% of a number is 56, what was the original number?

3. In a 10×10 grid that represents 800, one square represents _____.
    Use the grids below to represent 17% and 83% of 800.
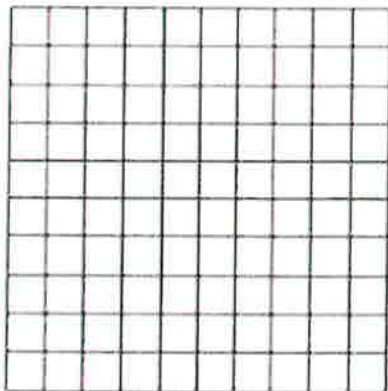
17%
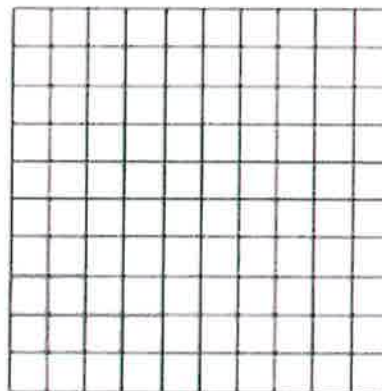
83%

17% of 800 is _____.   83% of 800 is _____.

Lesson 27: Solving Percent Problems

Example 1

Solve the following three problems.

Write the words PERCENT, WHOLE, or PART under each problem to show which piece you were solving for.

60% of 300 = _____   60% of _____ = 300   60 out of 300 = _____%

How did your solving method differ with each problem?

Exercise

Use models, such as 10×10 grids, ratio tables, tape diagrams, or double number line diagrams, to solve the following situation.

Priya is doing her back-to-school shopping. Calculate all of the missing values in the table below, rounding to the nearest penny, and calculate the total amount Priya will spend on her outfit after she receives the indicated discounts.

	Shirt (25% discount)	Pants (30% discount)	Shoes (15% discount)	Necklace (10% discount)	Sweater (20% discount)
Original Price	$44			$20	
Amount of Discount		$15	$9		$7

What is the total cost of Priya's outfit?

Lesson Summary

Percent problems include the part, whole, and percent. When one of these values is missing, we can use tables, diagrams, and models to solve for the missing number.

Problem Set

1. Mr. Yoshi has 75 papers. He graded 60 papers, and he had a student teacher grade the rest. What percent of the papers did each person grade?

2. Mrs. Bennett has graded 20% of her 150 students' papers. How many papers does she still need to finish grading?

Lesson Summary

Percent problems have three parts: whole, part, percent.

Percent problems can be solved using models such as ratio tables, tape diagrams, double number line diagrams, and 10×10 grids.

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1. Henry has 15 lawns mowed out of a total of 60 lawns. What percent of the lawns does Henry still have to mow?

2. Marissa got an 85% on her math quiz. She had 34 questions correct. How many questions were on the quiz?

3. Lucas read 30% of his book containing 480 pages. What page is he going to read next?

Answer the questions.

1. What is $\dfrac{1}{2}$ of 10?	11. What is $\dfrac{1}{5}$ of 10?
2. What is $\dfrac{1}{2}$ of 8?	12. What is $\dfrac{1}{5}$ of 15?
3. What is $\dfrac{1}{2}$ of 12?	13. What is $\dfrac{1}{5}$ of 20?
4. What is $\dfrac{1}{2}$ of 20?	14. What is $\dfrac{1}{5}$ of 30?
5. What is $\dfrac{1}{3}$ of 9?	15. What is $\dfrac{1}{10}$ of 20?
6. What is $\dfrac{1}{3}$ of 12?	16. What is $\dfrac{1}{10}$ of 40?
7. What is $\dfrac{1}{3}$ of 6?	17. What is $\dfrac{1}{3}$ of 9?
8. What is $\dfrac{1}{3}$ of 15?	18. What is $\dfrac{2}{3}$ of 9?
9. What is $\dfrac{1}{4}$ of 8?	19. What is $\dfrac{1}{4}$ of 12?
10. What is $\dfrac{1}{4}$ of 16?	20. What is $\dfrac{3}{4}$ of 12?

Add or subtract.

1.	$\frac{1}{3} + \frac{1}{3} =$	16.	$1 - \frac{2}{3} =$
2.	$\frac{1}{5} + \frac{1}{5} =$	17.	$1 - \frac{4}{5} =$
3.	$\frac{1}{5} + \frac{1}{5} + \frac{1}{5} =$	18.	$\frac{3}{5} - \frac{2}{5} =$
4.	$\frac{1}{5} + \frac{2}{5} + \frac{1}{5} =$	19.	$\frac{1}{5} + \frac{1}{5} =$
5.	$\frac{1}{8} + \frac{2}{8} =$	20.	$\frac{3}{8} - \frac{2}{8} =$
6.	$\frac{3}{8} + \frac{2}{8} + \frac{2}{8} =$	21.	$\frac{7}{8} - \frac{4}{8} =$
7.	$\frac{1}{9} + \frac{1}{9} =$	22.	$\frac{7}{10} - \frac{4}{10} =$
8.	$\frac{1}{9} + \frac{2}{9} + \frac{1}{9} =$	23.	$\frac{2}{10} + \frac{3}{10} + \frac{2}{10} =$
9.	$\frac{6}{7} - \frac{3}{7} =$	24.	$\frac{5}{9} - \frac{1}{9} =$
10.	$\frac{2}{7} + \frac{1}{7} + \frac{2}{7} =$	25.	$\frac{5}{7} - \frac{3}{7} =$
11.	$\frac{2}{7} + \frac{2}{7} + \frac{2}{7} =$	26.	$\frac{3}{7} - \frac{2}{7} =$
12.	$\frac{2}{9} + \frac{1}{9} + \frac{2}{9} =$	27.	$\frac{9}{10} - \frac{3}{10} - \frac{3}{10} =$
13.	$\frac{9}{10} - \frac{6}{10} =$	28.	$\frac{6}{7} - \frac{1}{7} =$
14.	$\frac{8}{10} - \frac{1}{10} =$	29.	$\frac{7}{8} - \frac{2}{8} - \frac{2}{8} =$
15.	$\frac{2}{10} + \frac{2}{10} + \frac{3}{10} =$	30.	$\frac{1}{4} + \frac{1}{4} + \frac{1}{4} =$

328 A   Add or subtract.   Second Half

#		#	
1.	$\dfrac{1}{3} + \dfrac{1}{3} =$	16.	$\dfrac{2}{3} - \dfrac{1}{3} =$
2.	$\dfrac{1}{5} + \dfrac{1}{5} =$	17.	$\dfrac{2}{5} - \dfrac{1}{5} =$
3.	$\dfrac{1}{5} + \dfrac{2}{5} =$	18.	$\dfrac{3}{5} - \dfrac{2}{5} =$
4.	$\dfrac{2}{5} + \dfrac{2}{5} =$	19.	$\dfrac{4}{5} - \dfrac{2}{5} =$
5.	$\dfrac{1}{8} + \dfrac{2}{8} =$	20.	$\dfrac{3}{8} - \dfrac{2}{8} =$
6.	$\dfrac{3}{8} + \dfrac{4}{8} =$	21.	$\dfrac{7}{8} - \dfrac{4}{8} =$
7.	$\dfrac{1}{9} + \dfrac{1}{9} =$	22.	$\dfrac{7}{10} - \dfrac{4}{10} =$
8.	$\dfrac{1}{9} + \dfrac{3}{9} =$	23.	$\dfrac{8}{10} - \dfrac{1}{10} =$
9.	$\dfrac{1}{7} + \dfrac{2}{7} =$	24.	$\dfrac{5}{9} - \dfrac{1}{9} =$
10.	$\dfrac{3}{7} + \dfrac{2}{7} =$	25.	$\dfrac{5}{7} - \dfrac{3}{7} =$
11.	$\dfrac{5}{7} + \dfrac{1}{7} =$	26.	$\dfrac{3}{7} - \dfrac{2}{7} =$
12.	$\dfrac{4}{9} + \dfrac{1}{9} =$	27.	$\dfrac{9}{10} - \dfrac{6}{10} =$
13.	$\dfrac{1}{10} + \dfrac{2}{10} =$	28.	$\dfrac{6}{7} - \dfrac{1}{7} =$
14.	$\dfrac{1}{10} + \dfrac{6}{10} =$	29.	$\dfrac{5}{8} - \dfrac{2}{8} =$
15.	$\dfrac{2}{10} + \dfrac{5}{10} =$	30.	$\dfrac{1}{4} + \dfrac{1}{4} + \dfrac{1}{4} =$

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Fill in the missing part of the fraction.
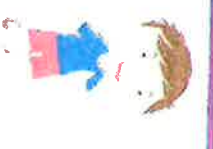
1.	$\dfrac{1}{3} = \dfrac{}{6}$	11.	$\dfrac{1}{5} = \dfrac{2}{}$
2.	$\dfrac{6}{12} = \dfrac{1}{}$	12.	$\dfrac{1}{3} = \dfrac{}{60}$
3.	$\dfrac{1}{4} = \dfrac{}{8}$	13.	$\dfrac{}{8} = \dfrac{6}{16}$
4.	$\dfrac{}{12} = \dfrac{1}{6}$	14.	$\dfrac{4}{} = \dfrac{8}{30}$
5.	$\dfrac{}{27} = \dfrac{1}{9}$	15.	$\dfrac{}{7} = \dfrac{8}{28}$
6.	$\dfrac{9}{18} = \dfrac{}{6}$	16.	$\dfrac{1}{6} = \dfrac{4}{}$
7.	$\dfrac{}{36} = \dfrac{2}{24}$	17.	$\dfrac{5}{12} = \dfrac{10}{}$
8.	$\dfrac{}{20} = \dfrac{2}{10}$	18.	$\dfrac{4}{16} = \dfrac{}{8}$
9.	$\dfrac{2}{16} = \dfrac{}{48}$	19.	$\dfrac{6}{36} = \dfrac{3}{}$
10.	$\dfrac{}{48} = \dfrac{6}{36}$	20.	$\dfrac{4}{9} = \dfrac{}{36}$

Fitness BINGO

10 scissors	12 star jumps	Sprint on the spot for 30 seconds
8 twists	Free Choice	5 crunches
Knee high jog on the spot for 30 seconds	6 push ups	8 high knee lifts

Fitness BINGO

4 heel touches	Shuffle on the spot for 30 seconds	Sprint on the spot for 30 seconds
8 twists	Free Choice	10 squats
12 side to side jumps	6 push ups	10 backwards forwards jumps

Fitness BINGO

4 heel touches	2 grape vines	Hop on one leg for 30 seconds
Easy walk on the spot for 30 seconds	Free Choice	10 squats
15 second plank hold	8 step touches	10 backwards forwards jumps

Fitness BINGO

March on the spot for 30 seconds	2 grape vines	Hop on one leg for 30 seconds
Easy walk on the spot for 30 seconds	Free Choice	Side to side step for 30 seconds
15 second plank hold	8 step touches	4 left leg lunges