PRIME TIME Prime Time Weebly

PACE-ing Guide

Instructions: Using the table below, choose your own **PACE** homework

- Work for **20** minutes and correct for **5** minutes using online answer key.
- Write how long you spent working at the end (i.e. 20 minutes).

P ***roblem*** - **Do these first if they weren't completed in class!** These are important parts of the **problem** that go with our learning goal.

A ***pplication*** problems help solidify your understanding by giving you practice with ideas and strategies that were worked on in class.

C ***onnection*** problems connect this new knowledge to things you learned before. These are more of a challenge.

E ***xtension*** problems provide a challenge for you to think beyond what is covered in class. These can be the most interesting problems!

PACE choices for this unit:

Find Today's Problem Below ↓	Learning Goal	Do These First ↓ P	ACE Begins on page ↓	With Remaining Time, Choose From These ↓ A	↓ C	↓ E
1.1	How can you find all the *factors (or divisors)* of a number?	Pg. 10 A - C The Factor Game Multiplication Fact Trick	Pg. 17	1-7 IXL E4	34-35 IXL C1-C2	41 IXL E1-E2
1.2	What information about a number can you find by looking at its factors? Best/worst first move? *Prime, Composite, Square numbers*	Pg. 11 A - C	Pg. 18	9-13 IXL E3	37- 38 IXL D10	42 IXL D11
1.3	If you know one factor of a number, how can you find another factor of the number? *Multiple, divisor, factor, product, divisible*	Pg. 14 A - D The Product Game	Pg. 20	14-21 IXL C1-C2	36, 39, 40 IXL Y7	43 IXL Z4, 5, 6, 8

1.4	How do you know when you have found all the factors of a number?	Pg. 16 B - C	Pg. 21	22-23	IXL FF2	
2.1	How can you decide when finding common multiples is useful in solving a problem? *Least Common Multiple, LCM*	Pg. 30 A-C	Pg. 34	1-15 IXL E8	35-39	44-58
2.2	When, in real-life, is knowing the common multiples or common factors useful?	Pg. 32 A - C	Pg. 34	16-29	40-41 IXL R11	59-61
2.3	How can you decide when finding common factors is useful in solving a problem? How can you find the *greatest common factor, GCF* of two numbers?	Pg. 33 A - B	Pg. 36	30-34 IXL E7 & E9	42-43	62-69 IXL FF14
3.1	How can you find the *prime factorization* of a number? *Standard, exponential, expanded forms*		Pg. 54	5-15 IXL E5-E6 & IXL D1,D2, D3	31-33	54 IXL E1-E2
3.2	How many unique prime factorizations of a number are there?	Pg. 47 A - D	Pg. 56	IXL E5-E6 IXL D1,D2, D3	31-36	54-55
3.3	How can the prime factorization of a number be used to find the LCM and GCF of two or more numbers?	Pg. 50 A - D	Pg. 55	21-27 IXL E7, E8, E9	37-42	54-55
4.1	How do you decide whether a number is *even or odd*?	Pg. 66 A - C	Pg. 75	1-6	66 IXL C1-C2	81-87
4.2	How is the Distributive Property used to create equivalent expressions? How is finding the *area of a rectangle* related to the *Distributive Property*?	Pg. 68-70 A - E	Pg. 75	7-23 IXL Y10 IXL FF2	67-74 IXL Y11, Y7, FF5	88-90 IXL FF7, FF3, FF4, FF14
4.3	How do you decide the order when you work on number sentences with more than one operation? *Order of Operations*	Pg. 72-73 A - D	Pg. 78	24-60 IXL O3	75-79	IXL O11
4.4	How do you decide what operations are needed in a given situation?	Pg. 74 A - E	Pg. 82	61-65 IXL O2, A6, B5, B7, C3		91 IXL O5