

Tier 2 Mathematics Intervention

Module: *Multiplication & Division of Whole Numbers (MDWN)*

Form B Assessment

Name _____

Date _____

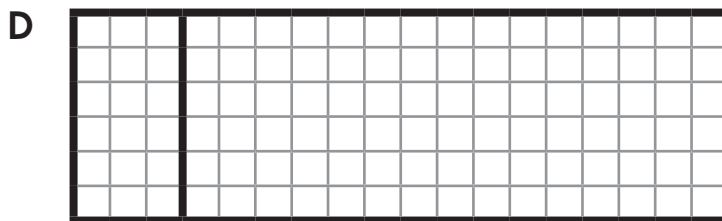
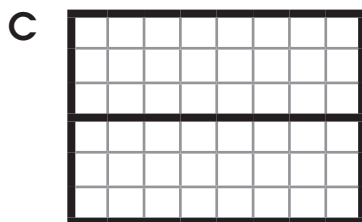
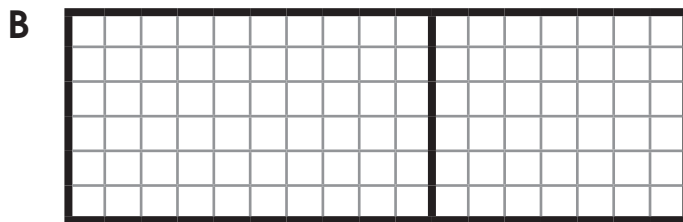
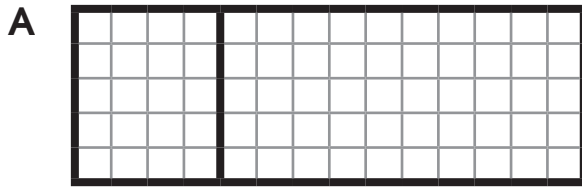
Teacher _____

- 1.) Which multiplication equation can be made with the factors 7 and 10?
- A $7 + 10 = 17$
 - B $7 \times 10 = 70$
 - C $7 \times 10 = 63$
 - D $7 \times 2 = 10$
- 2.) $4 \times 8 =$ _____
- A 13
 - B 36
 - C 32
 - D 5
- 3.) $5 \times 1,000 =$ _____
- A 5,000
 - B 500
 - C 50,000
 - D 6,000
- 4.) $1,000 \times 40 =$ _____
- A 4,000
 - B 40,000
 - C 1,040
 - D 400
- 5.) $30 \times 50 =$ _____
- A 1,500
 - B 80
 - C 150
 - D 15
- 6.) Fine elementary went on a 3rd grade field trip. There were 20 chaperones on the trip. Each chaperone was in charge of 10 students. How many students went on the 3rd grade field trip?
- A 200 students
 - B 20,000 students
 - C 3,000 students
 - D 20 students



- 7.) Sam baked 36 cookies for each homeroom class at Bluebonnet Elementary School. Bluebonnet Elementary School has 10 homerooms. About how many cookies did Sam bake?
- A $20 \times 10 = 200$ cookies
 - B $30 \times 10 = 300$ cookies
 - C $40 \times 10 = 800$ cookies
 - D $36 \times 10 = 260$ cookies
- 8.) Use rounding to estimate the product of $32 \times 22 =$ _____
- A 840
 - B 65
 - C 60
 - D 600
- 9.) Tom has a collection of stickers. He has 8 full pages of stickers. Each page has 32 stickers on it. How should Tom split the factor 32 to find the partial products in order to find the total number of stickers?
- A 30×2 and 30×8
 - B 32×8 and 32×4
 - C 30×8 and 2×8
 - D 8×10 and 8×2
- 10.) The grocery store has packages of cookies on display. The display is organized in 5 rows with 15 packages of cookies on each row. How many total jars of peanut butter are on display? Choose the correct equation to solve.
- A $5 \times 15 = 75$
 - B $5 + 15 = 20$
 - C $15 - 5 = 10$
 - D $10 \times 5 = 50$
- 11.) Which is the correct equations to use to to solve 47×4 using the partial products method?
- A $46 \times 4, 1 \times 4$
 - B $40 \times 4, 7 \times 4$
 - C $40 + 4, 7 + 4$
 - D $47 \times 3, 47 \times 1$

- 12.)** For his party, Jose wants to give a set of stickers to his friends as party favors. Each set contains 14 stickers. If he has 5 friends coming, how many stickers will he need? Choose the correct area model that represents the partial products method to solve.



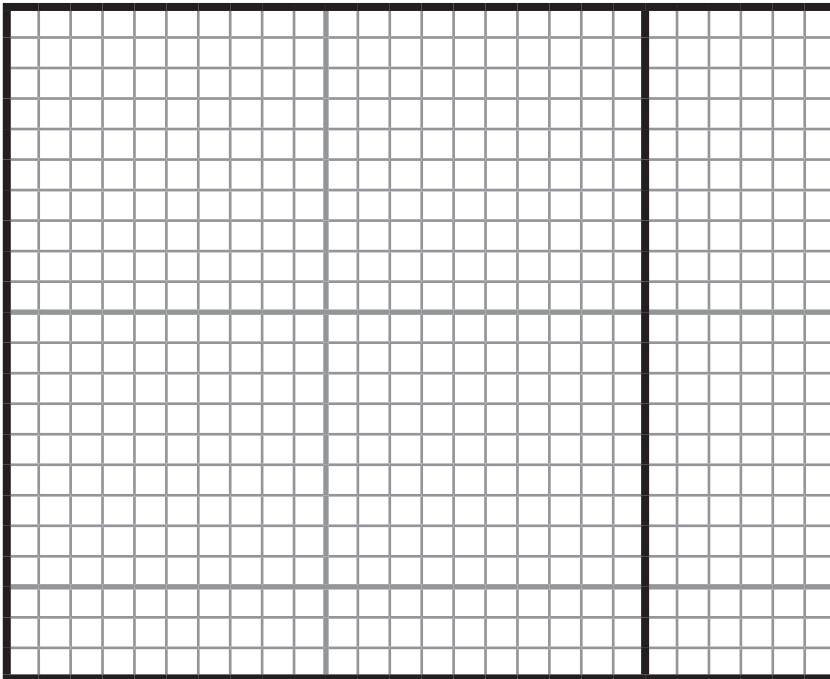
- 13.)** Maria's school was selling candy bars for a school fundraiser. Her goal was to sell 100 candy bars over the 3-day weekend. She sold 59 candy bars each day. Did Maria meet her goal? Choose the equation that shows how many candy bars were sold in all.

- A** $59 \times 3 = 177$
B $59 + 3 = 62$
C $9 \times 3 = 27$
D $100 \times 3 = 300$

- 14.) $32 \times 6 = \underline{\hspace{2cm}}$
- A 38
 - B 182
 - C 86
 - D 192
- 15.) Which is not a multiplication or division fact for 3, 27, and 81?
- A $81 \div 24 = 4$
 - B $81 \div 27 = 3$
 - C $3 \times 27 = 81$
 - D $3 \div 27 = 81$
- 16.) Sally has 5 boxes of candy. Each box has 42 candies in it. How many candies does Sally have altogether in her 5 boxes?
- A 5×42
 $(5 \times 40) + (5 \times 2)$
 $200 + 10$
210 candies
 - B $5 + 42$
47 candies
 - C 5×42
 $(5 \times 40) + (5 \times 2)$
 $20 + 10$
30 candies
 - D $42 \div 5$
8 candies
- 17.) Joe was asked to fill 6 cups with ice cubes at the lemonade stand. He counted 18 ice cubes in his bucket. If Joe places the same number of cubes in each cup, how many ice cubes will be in each cup?
- A 4
 - B 22
 - C 3
 - D 96

- 18.)** Linda was asked to fill 3 bags with candy at the candy store. She counted 27 pieces of candy. If Linda places the same number of candies in each bag, how many candies will be in each bag?
- A** 30
 - B** 9
 - C** 18
 - D** 8
- 19.)** If Joe equally shares 23 cookies among 4 people, each person will get how many cookies? Will there be any cookies leftover?
- A** 8 with no cookies leftover
 - B** 5 with 3 cookies leftover
 - C** 23 with no cookies leftover
 - D** 6 with 1 cookie leftover
- 20.)** Which is the correct division equation for the number family 64, 8, and 512?
- A** $512 \div 8 = 64$
 - B** $8 \div 512 = 64$
 - C** $64 \div 512 = 8$
 - D** $8 \div 64 = 512$
- 21.)** If you equally share 72 toys among 5 people, each person would get about how many toys?
- A** 14
 - B** 22
 - C** 20
 - D** 19
- 22.)** Estimate $64 \div 6$.
- A** $60 \div 10 = 6$
 - B** $50 \div 6 = 7$
 - C** $60 \div 6 = 10$
 - D** $70 \div 6 = 11$

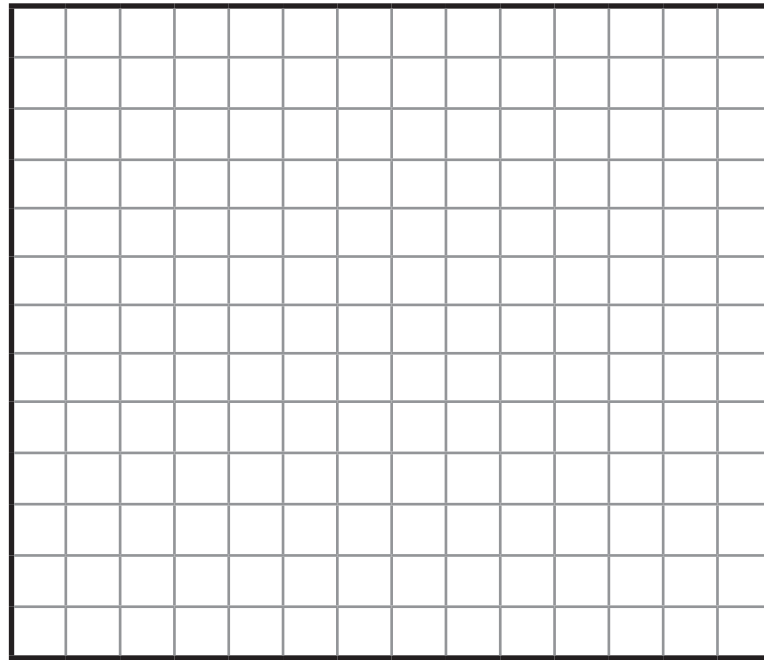
- 23.)** Rob had 72 baseball cards he wanted to share between himself and 6 friends. About how many baseball cards does Rob and each of his friends get?
- A** 12
 - B** 14
 - C** 16
 - D** 13
- 24.)** Equally share 61 acorns among 3 squirrels. About how many acorns does each squirrel receive?
- A** 20
 - B** 67
 - C** 19
 - D** 17
- 25.)** A community group planted a garden that will be divided into 4 smaller rectangles. The dimensions of the garden are 21 feet by 26 feet. They divided the garden as shown below. What is the area of the entire garden?



- A** 360 feet
- B** 684 feet
- C** 55 feet
- D** 720 feet

Solve using the partial-products method.

- 26.)** Robert had a birthday party at Go Cart Racing Track. He had 12 friends attend his party. It cost each friend \$16 to race a go-cart around the track 5 times. The birthday boy was free. How much money was it for all 12 friends to race the track?



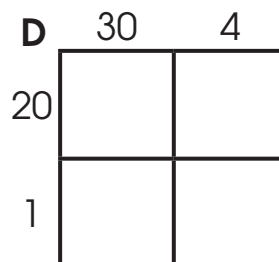
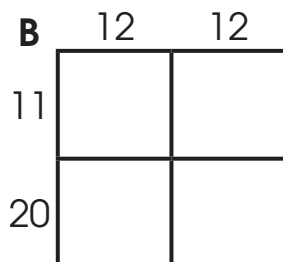
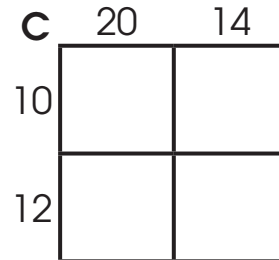
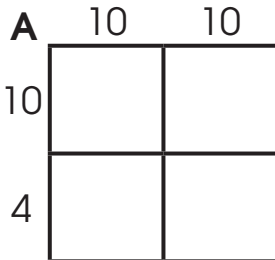
A \$192

C \$100

B \$27

D \$172

- 27.)** Colin reads 34 pages in his book each day. If he reads for 21 days, how many pages will he have read? Choose the square that shows the correct way to break apart 34 and 21.

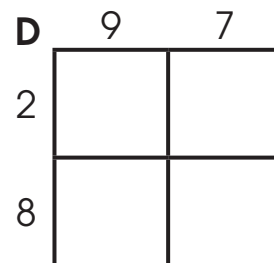
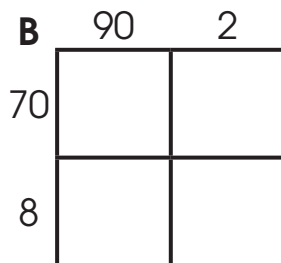
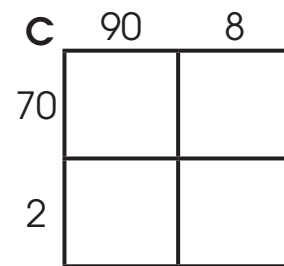
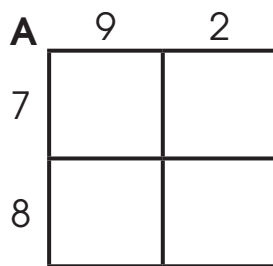


28.) Estimate $22 \times 42 =$

- A $30 \times 40 = 1,200$
- B $20 \times 40 = 800$
- C $30 \times 30 = 900$
- D $20 \times 30 = 600$

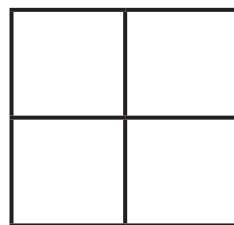
Choose the correct answer.

29.) Jill was using the multiplication square to solve 92×78 . Which square is correct?



Solve using the partial-product method and the multiplication square.

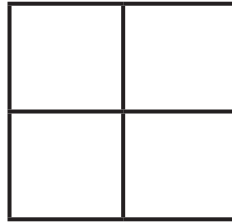
30.) $57 \times 43 =$ _____



- A $57 \times 43 = 2,280$
- B $57 \times 43 = 2,451$
- C $57 \times 43 = 2,000$
- D $57 \times 43 = 2,241$

Use the partial-product method and multiplication square to solve.

31.) $31 \times 19 = \underline{\hspace{2cm}}$



- A 589
- B 50
- C 300
- D 2,700



32.) Mr. Jackson ordered 52 boxes of pencils for the schools. If there are 28 pencils in each box, how many total pencils did he order?

A

	50	8
20	1,000	160
8	400	64

$$1,000 + 160 = 1,160$$

$$400 + 64 = 464$$

$$1,160 + 464 = 1,624$$

B

	50	2
20	1,000	40
8	400	16

$$1,000 + 40 = 1,040$$

$$400 + 16 = 416$$

$$1,040 + 416 = 1,456$$

C

	2	8
50	100	400
20	40	160

$$100 + 400 = 500$$

$$40 + 160 = 200$$

$$500 + 200 = 700$$

D

	5	2
2	10	4
8	40	16

$$10 + 4 = 14$$

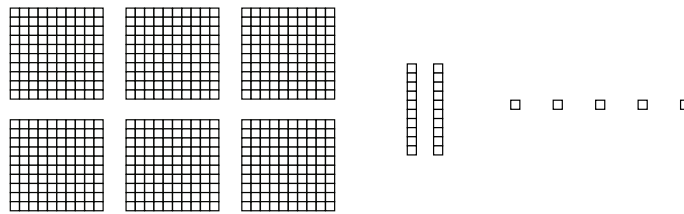
$$40 + 16 = 56$$

$$14 + 56 = 70$$

33.) Write 3 hundreds 8 tens and 2 ones in standard form.

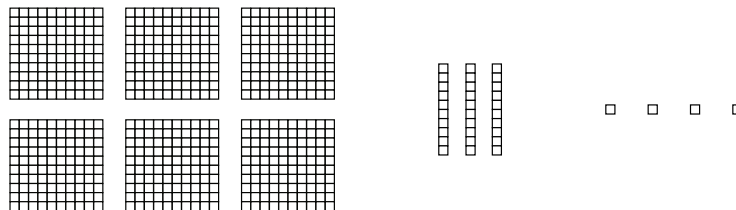
- A 832
- B 8,302
- C 382
- D 238

34.) Using the picture below, write the number in standard form.



- A 526
- B 625
- C 652
- D 356

35.) Using the picture below, how many groups of tens?



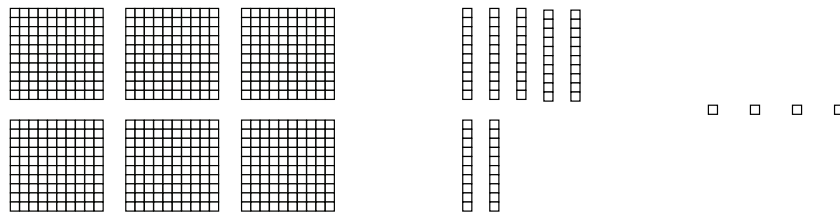
- A 3
- B 4
- C 13
- D 6

Choose the correct answer.

36.) Mary collected shells on the beach. She wanted to fill 3 baskets with shells to give her sisters. Mary collected 136 shells in all. Which equation is correct for how Mary should divide her shell equally into 3 baskets?

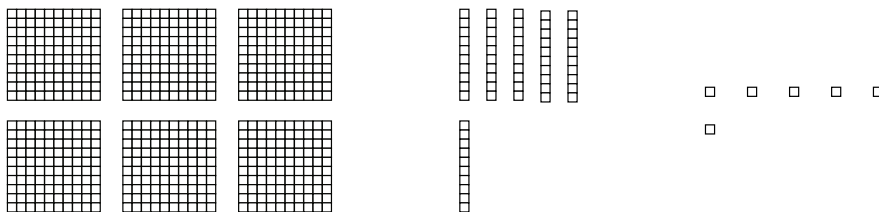
- A $136 \div 3 = 45 R1$
- B $136 \div 3 = 408$
- C $136 \times 3 = 408$
- D $3 \div 136 = 45 R1$

37.) Use the base-10 picture to solve 674 divided by 2.



- A 337
- B 342
- C 492
- D 246

38.) Use the base-10 pictures to solve $669 \div 3$.



- A 310
- B 211
- C 223
- D 207

39.) The cowboys scored 8 touchdowns at their last football game. Each touchdown earned team 6 points. What was the total score for the cowboys at the end of the game?

- A 14
- B 48
- C 42
- D 2

40.) A football team scored 27 points at their last game. The team scored touchdowns worth 6 points and field goals worth 3 points each. What is the highest number of touchdowns the team could have made?

- A 4
- B 5
- C 3
- D 2