

Tier 2 Mathematics Intervention

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

Form A Assessment

Name _____

Date _____

Teacher _____

1.) Which multiplication equation can be made with the factors 2 and 3?

- A $2 \times 3 = 7$
- B $7 \times 3 = 2$
- C $2 \times 3 = 6$
- D $7 \times 2 = 10$

2.) $9 \times 4 =$ _____

- A 13
- B 36
- C 33
- D 5

3.) $3 \times 1,000 =$ _____

- A 3,000
- B 300
- C 30,000
- D 6,000

4.) $1,000 \times 30 =$ _____

- A 3,000
- B 30,000
- C 4,000
- D 40,000

5.) $40 \times 30 =$ _____

- A 120
- B 70
- C 1,200
- D 12

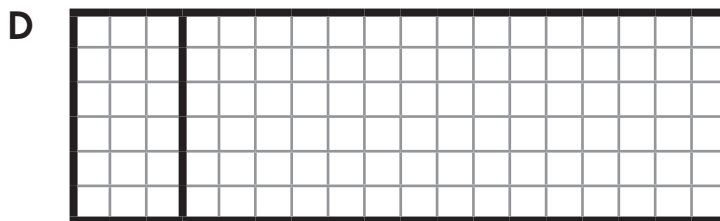
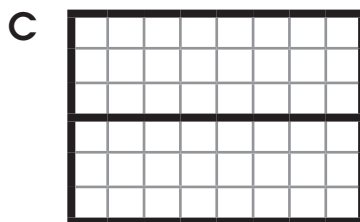
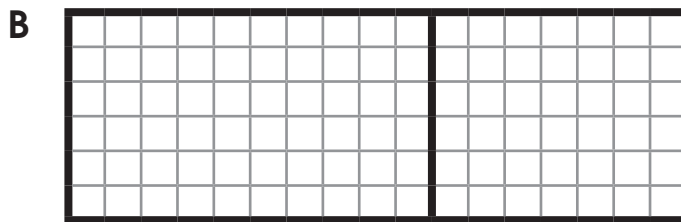
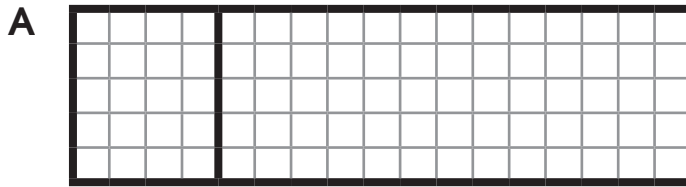
6.) Fine elementary went on a 3rd grade field trip. There were 15 chaperones on the trip. Each chaperone was in charge of 10 students. How many students went on the 3rd grade field trip?

- A 150 students
- B 15,000 students
- C 1,500 students
- D 130 students



- 7.) Sam baked 26 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 $40 \times 20 = 800$ cookies
 - D $26 \times 10 = 260$ cookies
- 8.) Use rounding to estimate the product of $37 \times 28 =$ _____
- A 840
 - B 65
 - C 60
 - D 1,200
- 9.) Tom has a collection of stickers. He has 9 full pages of stickers. Each page has 42 stickers on it. How should Tom split the factor 42 to find the partial products in order to find the total number of stickers?
- A 40×2 and 40×9
 - B 42×10 and 42×9
 - C 40×9 and 2×9
 - D 9×10 and 9×2
- 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 33×5 using the partial products method?
- A $32 \times 5, 1 \times 5$
 - B $30 \times 5, 3 \times 5$
 - C $30 + 5, 3 + 5$
 - D $33 \times 4, 33 \times 1$

- 12.)** For his party, Jose wants to give a set of stickers to his friends as party favors. Each set contains 17 stickers. If he has 6 friends coming, how many stickers will he need? Choose the correct area model that represents the partial products method to solve.



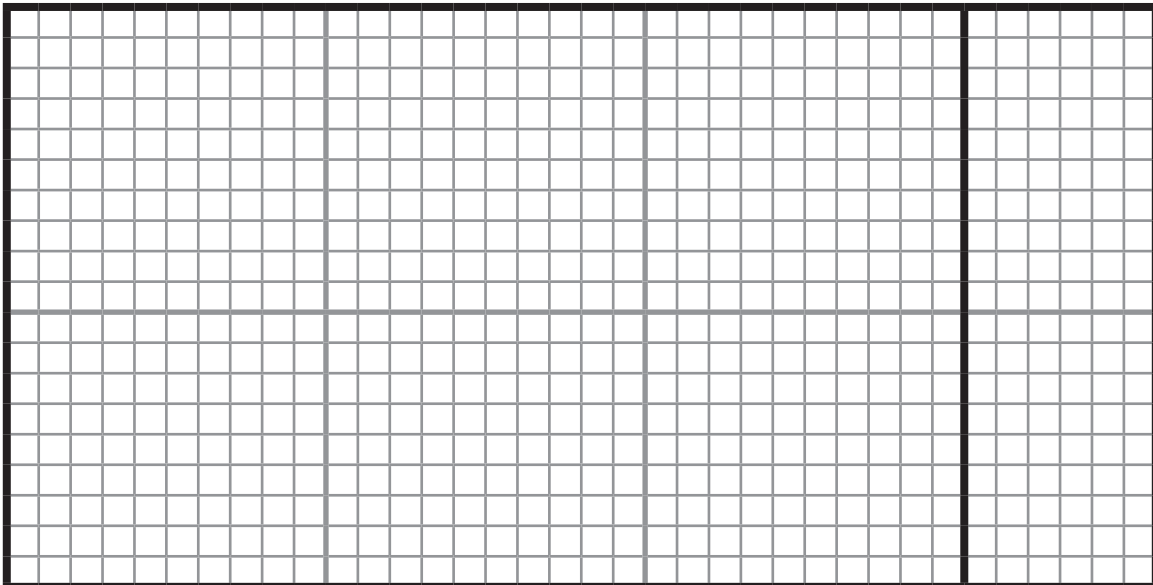
- 13.)** Maria's school was selling candy bars for a school fundraiser. Her goal was to sell 100 candy bars over the 3-day weekend. She sold 28 candy bars each day. Did Maria meet her goal? Choose the equation that shows how many candy bars were sold in all.

- A** $28 \times 3 = 84$
B $30 \times 3 = 90$
C $20 \times 3 = 60$
D $100 \times 3 = 300$

- 14.) $24 \times 4 = \underline{\hspace{2cm}}$
- A 28
 - B 86
 - C 76
 - D 96
- 15.) Which is not a multiplication or division fact for 4, 24, and 96?
- A $96 \div 24 = 4$
 - B $96 \div 4 = 24$
 - C $4 \times 24 = 96$
 - D $4 \div 24 = 96$
- 16.) Sally has 3 boxes of candy. Each box has 36 candies in it. How many candies does Sally have altogether in her 3 boxes?
- A 3×36
 $(3 \times 30) + (3 \times 6)$
 $90 + 18$
108 candies
 - B $3 + 36$
39 candies
 - C 3×42
 $(3 \times 40) + (3 \times 2)$
 $120 + 6$
126 candies
 - D $36 \div 3$
12 candies
- 17.) Joe was asked to fill 4 cups with ice cubes at the lemonade stand. He counted 16 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 20
 - C 3
 - D 12

- 18.)** Linda was asked to fill 3 bags with candy at the candy store. She counted 18 pieces of candy. If Linda places the same number of candies in each bag, how many candies will be in each bag?
- A** 21
 - B** 6
 - C** 15
 - D** 5
- 19.)** If Joe equally shares 33 cookies among 4 people, each person will get how many cookies? Will there be any cookies leftover?
- A** 7 with no cookies leftover
 - B** 9 with 4 cookies leftover
 - C** 29 with no cookies leftover
 - D** 8 with 1 cookie leftover
- 20.)** Which is the correct division equation for the number family 52, 3, and 156?
- A** $156 \div 3 = 52$
 - B** $3 \div 156 = 52$
 - C** $52 \div 156 = 3$
 - D** $3 \div 52 = 156$
- 21.)** If you equally share 81 toys among 4 people, each person would get about how many toys?
- A** 12
 - B** 22
 - C** 20
 - D** 19
- 22.)** Estimate $42 \div 6$.
- A** $40 \div 8 = 8$
 - B** $40 \div 6 = 7$
 - C** $50 \div 5 = 10$
 - D** $50 \div 6 = 11$

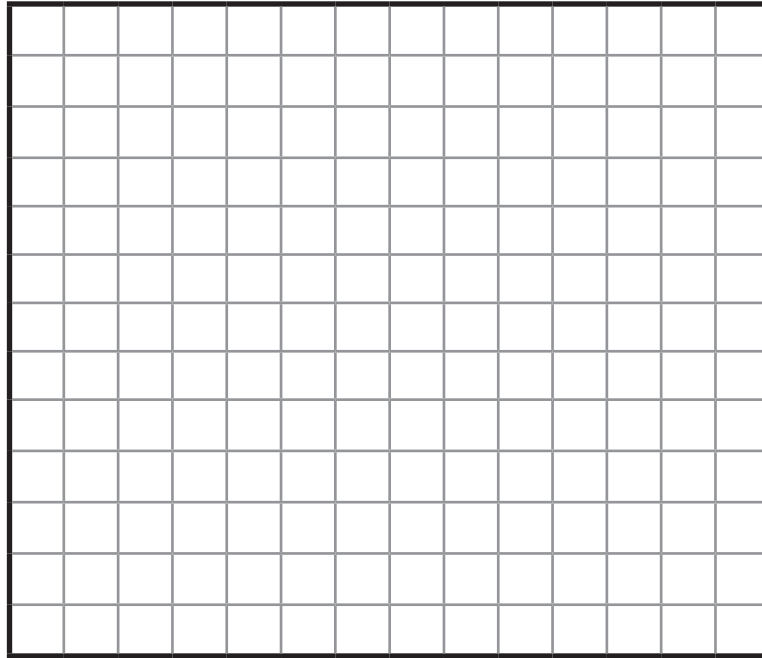
- 23.)** Rob had 82 baseball cards he wanted to share between himself and 5 friends. About how many baseball cards does Rob and each of his friends get?
- A** 12
 - B** 14
 - C** 16
 - D** 13
- 24.)** Equally share 71 acorns among 4 squirrels. About how many acorns does each squirrel receive?
- A** 20
 - 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 19 feet by 36 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 13 friends attend his party. It cost each friend \$14 to race a go-cart around the track 5 times. The birthday boy was free. How much money was it for all 13 friends to race the track?



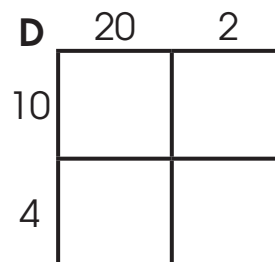
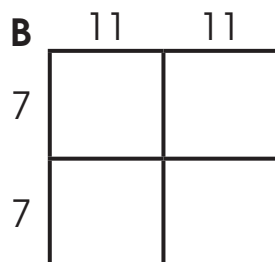
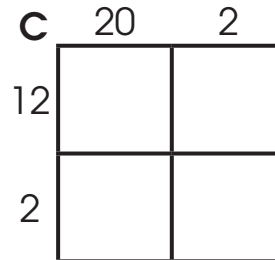
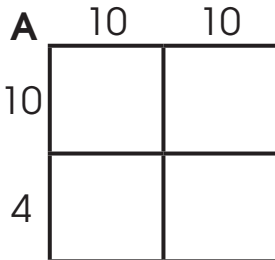
A \$182

C \$100

B \$27

D \$172

- 27.)** Colin reads 22 pages in his book each day. If he reads for 14 days, how many pages will he have read? Choose the square that shows the correct way to break apart 22 and 14.



28.) Estimate $28 \times 35 =$

- 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 81×67 . Which square is correct?

A

	6	7
8		
1		

C

	60	1
8		
7		

B

	60	7
80		
1		

D

	6	1
8		
7		

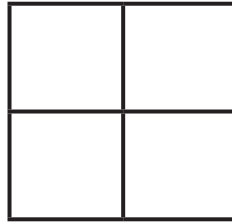
Solve using the partial-product method and the multiplication square.

30.) $68 \times 34 =$ _____

- A $68 \times 34 = 1,322$
- B $68 \times 34 = 2,312$
- C $68 \times 34 = 1,022$
- D $68 \times 34 = 3,312$

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

31.) $61 \times 23 = \underline{\hspace{2cm}}$



- A 1,403
- B 1,503
- C 128
- D 1,430



32.) Mr. Jackson ordered 28 boxes of pencils for the schools. If there are 34 pencils in each box, how many total pencils did he order?

A

	20	4	
20	400	160	
8	240	32	

$$400 + 160 = 560$$

$$240 + 32 = 272$$

$$560 + 272 = 832$$

B

	30	4	
20	600	80	
8	240	32	

$$600 + 80 = 680$$

$$240 + 32 = 272$$

$$680 + 272 = 952$$

C

	8	4	
30	240	120	
20	100	80	

$$240 + 120 = 360$$

$$100 + 80 = 180$$

$$360 + 180 = 540$$

D

	20	4	
30	60	120	
8	140	16	

$$60 + 120 = 180$$

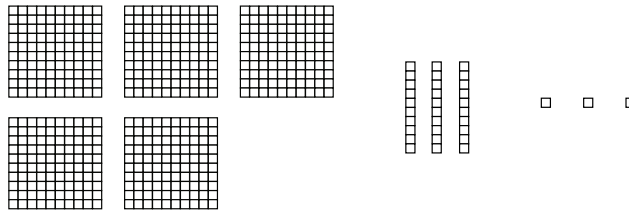
$$140 + 16 = 156$$

$$180 + 156 = 336$$

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

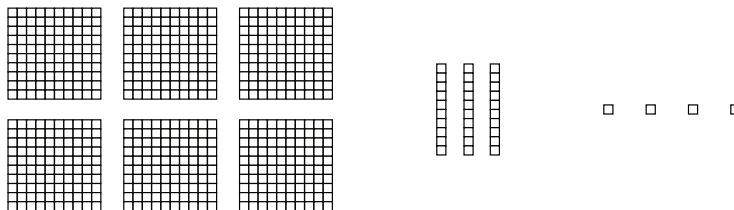
- A 832
- B 8,302
- C 382
- D 238

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



- A 363
- B 533
- C 523
- D 335

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



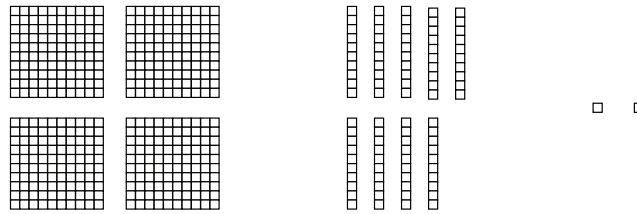
- A 3
- B 4
- C 13
- D 6

Choose the correct answer.

36.) Mary collected shells on the beach. She wanted to fill 4 baskets with shells to give her sisters. Mary collected 127 shells in all. Which equation is correct for how Mary should divide her shell equally into 4 baskets?

- A $127 \div 4 = 31 \text{ R}3$
- B $127 \div 4 = 608$
- C $127 \times 4 = 608$
- D $4 \div 127 = 31 \text{ R}3$

37.) Use the base-10 picture to solve 492 divided by 2.



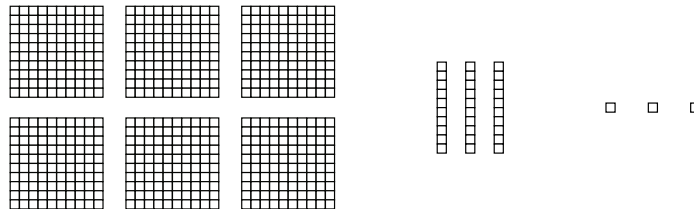
A 321

B 426

C 492

D 246

38.) Use the base-10 pictures to solve $633 \div 3$.



A 310

B 211

C 611

D 321

39.) The cowboys scored 4 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 10

B 20

C 24

D 4

40.) A football team scored 31 points at their last game. The team scored touchdowns worth 7 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