ESTAR INTERVENTION

Tier 2 Mathematics Intervention

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

Form C Assessment

Name _____

Date _____

Teacher _____

1.) Which multiplication equation can be made with the factors 7 and 10?

A $7 \times 10 = 17$
B $7 \times 10 = 70$
C $7 \times 10 = 63$
D $10 \times 7 = 17$

2.) $4 \times 7 =$ _____

A 11
B 28
C 33
D 5

3.) $2 \times 1{,}000 =$ _____

A 2,000
B 200
C 20,000
D 3,000

4.) $1{,}000 \times 40 =$ _____

A 4,000
B 40,000
C 1,040
D 400

5.) $20 \times 60 =$ _____

A 120
B 80
C 1,200
D 12

6.) Fine elementary went on a 3rd grade field trip. There were 10 chaperones on the trip. Each chaperone was in charge of 30 students. How many students went on the 3rd grade field trip?

A 300 students
B 40 students
C 30 students
D 3,000 students

7.) Sam baked 32 cookies for each homeroom class at Bluebonnet Elementary School. Bluebonnet Elementary School has 12 homerooms. About how many cookies did Sam bake?

A 20 × 10 = 200 cookies
B 30 × 10 = 300 cookies
C 40 × 20 = 800 cookies
D 32 × 10 = 320 cookies

8.) Use rounding to estimate the product of 31 x 22 = _____

A 840
B 65
C 60
D 600

9.) Tom has a collection of stickers. He has 7 full pages of stickers. Each page has 51 stickers on it. How should Tom split the factor 51 to find the partial products in order to find the total number of stickers?

A 50 × 7 and 50 × 1
B 51 × 7 and 51 × 4
C 50 × 7 and 1 × 7
D 7 × 10 and 7 × 1

10.) The grocery store has packages of cookies on display. The display is organized in 3 rows with 18 packages of cookies on each row. How many total jars of peanut butter are on display? Choose the correct equation to solve.

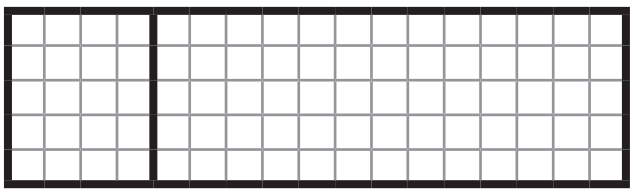
A 3 × 18 = 54
B 3 + 18 = 21
C 18 – 3 = 15
D 20 × 3 = 60

11.) Which is the correct equations to use to to solve 28 × 6 using the partial products method?

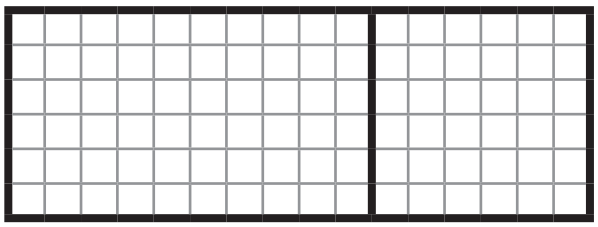
A 27 × 6, 1 × 6
B 20 × 6, 8 × 6
C 20 + 6, 8 + 6
D 28 × 5, 28 × 1

12.) For his party, Jose wants to give a set of stickers to his friends as party favors. Each set contains 16 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.

A



B



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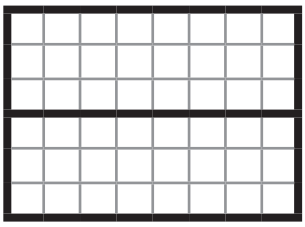
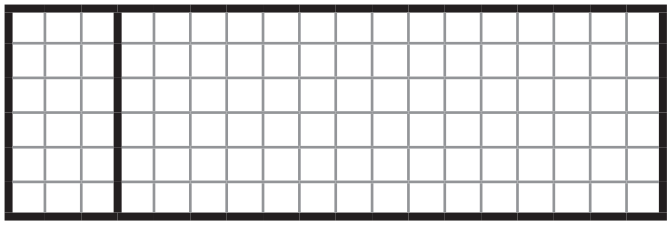


D



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 35 candy bars each day. Did Maria meet her goal? Choose the equation that shows how many candy bars were sold in all.

A $35 \times 3 = 105$

B $35 + 3 = 36$

C $100 \times 35 = 3{,}500$

D $100 \times 3 = 300$

14.) 43 × 8 = _____

A 320

B 51

C 86

D 344

15.) Which is not a multiplication or division fact for 2, 56, 112?

A 1,112 ÷ 2 = 56

B 56 × 2 = 112

C 2 × 56 = 122

D 56 ÷ 112 = 56

16.) Sally has 7 boxes of candy. Each box has 29 candies in it. How many candies does Sally have altogether in her 7 boxes?

A 7 × 29
(7 × 20) + (7 × 9)
140 + 63
203 candies

B 7 + 29
76 candies

C 7 × 29
(7 × 10) + (7 × 10)
70 + 70
140 candies

D 29 ÷ 7
4 candies

17.) Joe was asked to fill 5 cups with ice cubes at the lemonade stand. He counted 15 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 3

B 22

C 5

D 75

18.) Linda was asked to fill 4 bags with candy at the candy store. She counted 28 pieces of candy. If Linda places the same number of candies in each bag, how many candies will be in each bag?

A 31
B 7
C 10
D 8

19.) If Joe equally shares 33 cookies among 8 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 41 with no cookies leftover
D 4 with 1 cookie leftover

20.) Which is the correct division equation for the number family 48, 3, and 144?

A $144 \div 3 = 48$
B $48 \div 144 = 3$
C $3 \div 48 = 144$
D $3 \div 144 = 48$

21.) If you equally share 74 toys among 6 people, each person would get about how many toys?

A 12
B 22
C 20
D 19

22.) Estimate $58 \div 8$.

A $60 \div 10 = 6$
B $50 \div 8 = 6$
C $60 \div 6 = 10$
D $50 \div 6 = 11$

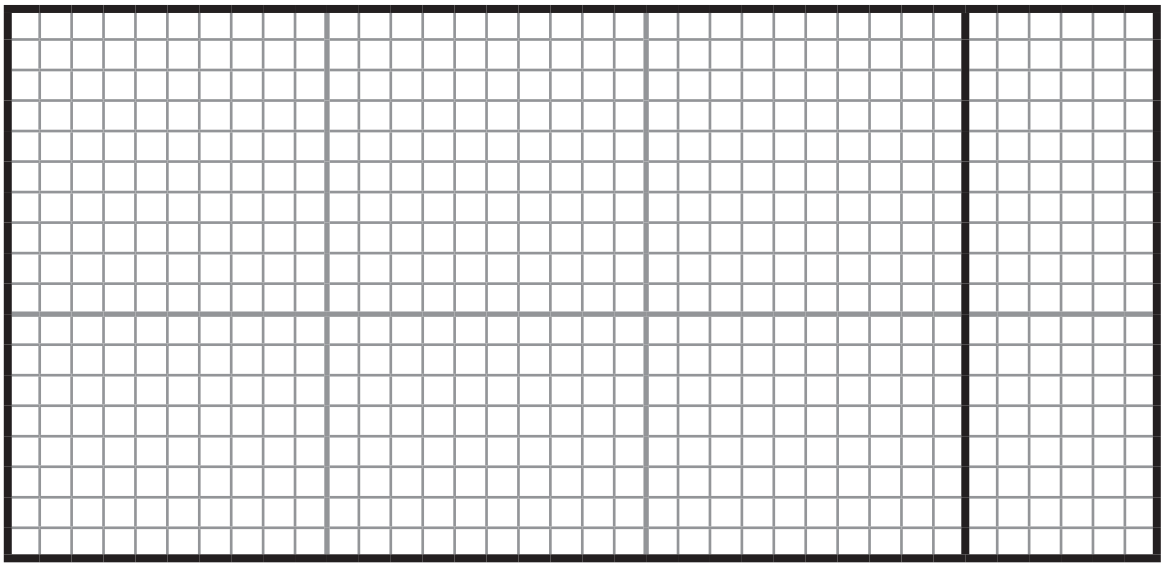
23.) Rob had 82 baseball cards he wanted to share between himself and 4 friends. About how many baseball cards does Rob and each of his friends get?

A 12
B 21
C 20
D 13

24.) Equally share 51 acorns among 4 squirrels. About how many acorns does each squirrel receive?

A 20
B 204
C 13
D 10

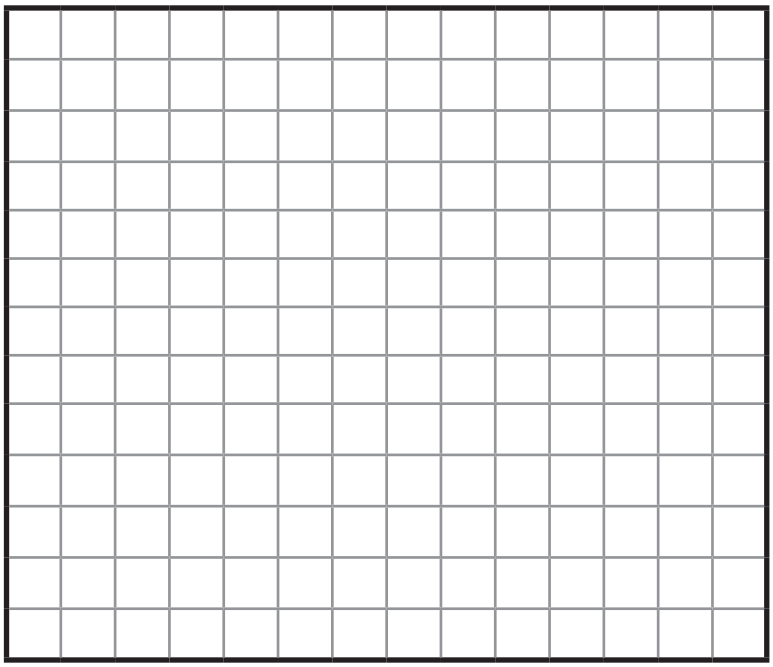
25.) A community group planted a garden that will be divided into 4 smaller rectangles. The dimensions of the garden are 18 feet by 36 feet. They divided the garden as shown below. What is the area of the entire garden?



A 360 feet
B 648 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 14 friends attend his party. It cost each friend $13 to race a go-cart around the track 5 times. The birthday boy was free. How much money was it for all 14 friends to race the track?



A $182

B $27

C $100

D $172

27.) Colin reads 36 pages in his book each day. If he reads for 34 days, how many pages will he have read? Choose the square that shows the correct way to break apart 36 and 34.

A

	20	10
10		
4		

C

	20	14
20		
14		

B

	14	14
17		
17		

D

	30	6
30		
4		

28.) Estimate 19 × 28 =

A 30 × 40 = 1,200
B 20 × 40 = 800
C 30 × 30 = 900
D 20 × 30 = 600

Choose the correct answer.

29.) Jill was using the multiplication square to solve 74 × 56. Which square is correct?

A

	7	4
5		
6		

C

	70	6
50		
4		

B

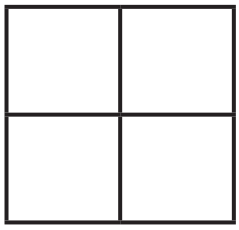
	70	4
50		
6		

D

	7	6
4		
6		

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

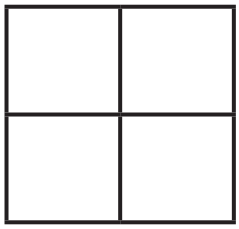
30.) 88 × 54 = _____



A 88 × 54 = 4,752
B 88 × 54 = 142
C 88 × 54 = 4,322
D 88 × 54 = 4,000

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

31.) 23 × 45 = _____



A 925
B 800
C 1,035
D 1,253

32.) Mr. Jackson ordered 48 boxes of pencils for the schools. If there are 54 pencils in each box, how many total pencils did he order?

A

	40	8
50	2,000	400
4	160	32

2,000 + 400 = 2,400

160 + 32 = 192

2,400 + 192 = 2,592

B

	40	4
50	2,000	200
8	320	32

2,000 + 200 = 2,200

320 + 32 = 352

2,200 + 352 = 2,552

C

	4	8
5	20	40
4	16	32

20 + 40 = 60

16 + 32 = 48

60 + 48 = 108

D

	8	4
50	400	200
40	320	160

400 + 200 = 600

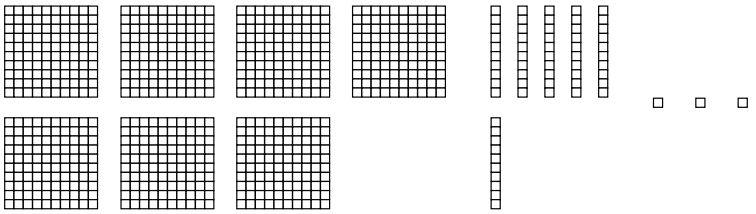
320 + 160 = 480

600 + 480 = 1,080

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

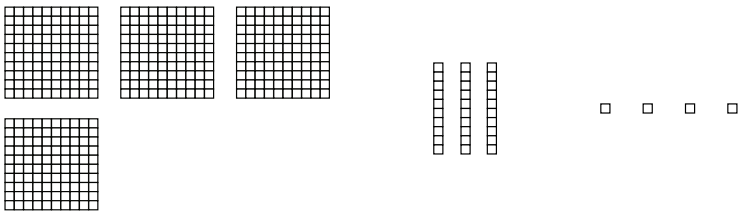
A 832
B 8,302
C 382
D 238

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



A 673
B 763
C 367
D 637

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



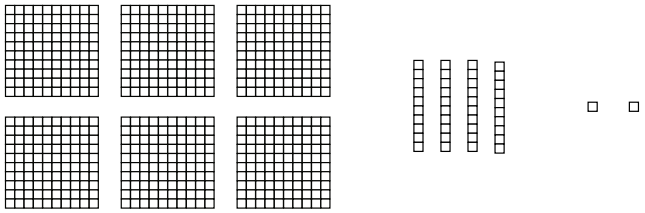
A 3
B 4
C 13
D 6

Choose the correct answer.

36.) Mary collected shells on the beach. She wanted to fill 5 baskets with shells to give her sisters. Mary collected 123 shells in all. Which equation is correct for how Mary should divide her shell equally into 5 baskets?

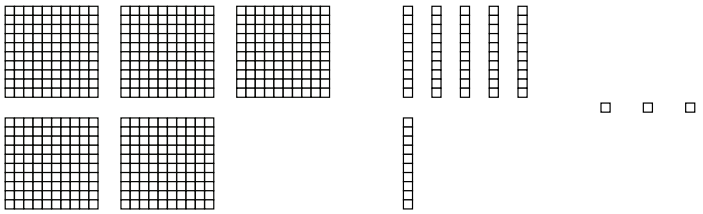
A 123 ÷ 5 = 24 R3
B 123 ÷ 5 = 615
C 123 ÷ 5 = 20
D 5 ÷ 123 = 24 R3

37.) Use the base-10 picture to solve 642 divided by 2.



A 321
C 492
B 426
D 246

38.) Use the base-10 pictures to solve 594 ÷ 3.



A 291
B 198
C 611
D 321

39.) The cowboys scored 7 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 13
C 42
B 48
D 24

40.) A football team scored 24 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

STOP

