Math Jenga

Materials needed:
- Multi color Jenga blocks – Purple, Blue, Green, Yellow, Red
- Game Cards
- Dry Erase Boards/Markers/Erasers
- Optional: Checkers, Connect 4, Chess game or even a deck of playing cards.

To play:
Shuffle the game cards and deal them out to the players. The cards have a problem and a color on each side. Cards that say PBGYR can be used for any color.

Build the jenga tower using the jenga blocks.

Players take turns pulling jenga blocks – but they have to "pay" for each block they pull by answering a question that has that same color on its game card. In other words, if you want to pull a blue block, you have to pay for it by answering a "blue" question.

Hint: To make the game go faster, you might go ahead and have students answer 5 or 6 questions before you start the game.

The player who knocks down the jenga tower loses.

Note: Jenga is a little too nerve wracking for some students. If you students prefer, you can use the cards to play "earn the pieces" for a different game. For example – if the student would rather play Connect 4 or checkers or chess, he/she must first "earn" the pieces by answering a question for each piece. You can use the same method for card games such as Garbage. Players must answer 10 questions to get the 10 cards to start the game.

4.4.B & 4.4.C – Preparing for 2 X 2 Multiplication
Practice Activity: Jenga
Note: Some parts of these materials are taken directly from released STAAR tests Copyright © 2015-2021. Texas Education Agency. All Rights Reserved. Used by Permission.

1.	2.	3.	4.	5.	6.
D	B	C	12 X15 = 180	D	D
7.	**8.**	**9.**	**10.**	**11.**	**12.**
A	C	15 X 11 = 165	C	B	D
13.	**14.**	**15.**	**16.**	**17.**	**18.**
B	13 X 15 = 195	B	D	B	A
19.	**20.**	**21.**	**22.**	**23.**	**24.**
13 X 13 = 169	A	C	C	D	11 X 13 = 143
25.	**26.**	**27.**	**28.**	**29.**	**30.**
D	A	A	A	12 X 11 = 132	C

1. Ms. Gonzales packs 45 boxes with limes. Each box holds 100 limes. How many limes can Ms. Gonzales pack into these boxes?

A. 4,005

B. 450

C. 145

D. 4,500

Purple

2. A number sentence is shown below.

◇ X10 = ◯

Which table shows numbers that make the number sentence true?

A.

◇	◯
44	54
66	76
99	109
150	160

C.

◇	◯
44	4,400
66	6,600
99	9,900
150	15,000

B.

◇	◯
44	440
66	660
99	990
150	1,500

D.

◇	◯
44	404
66	606
99	909
150	1,050

Blue

3. A number sentence is shown below.

◇ X100 = ◯

Which table shows numbers that make the number sentence true?

A.

◇	◯
44	54
66	76
99	109
150	160

C.

◇	◯
44	4,400
66	6,600
99	9,900
150	15,000

B.

◇	◯
44	440
66	660
99	990
150	1,500

D.

◇	◯
44	404
66	606
99	909
150	1,050

Green

4. Write the multiplication problem and solution that go with this model.
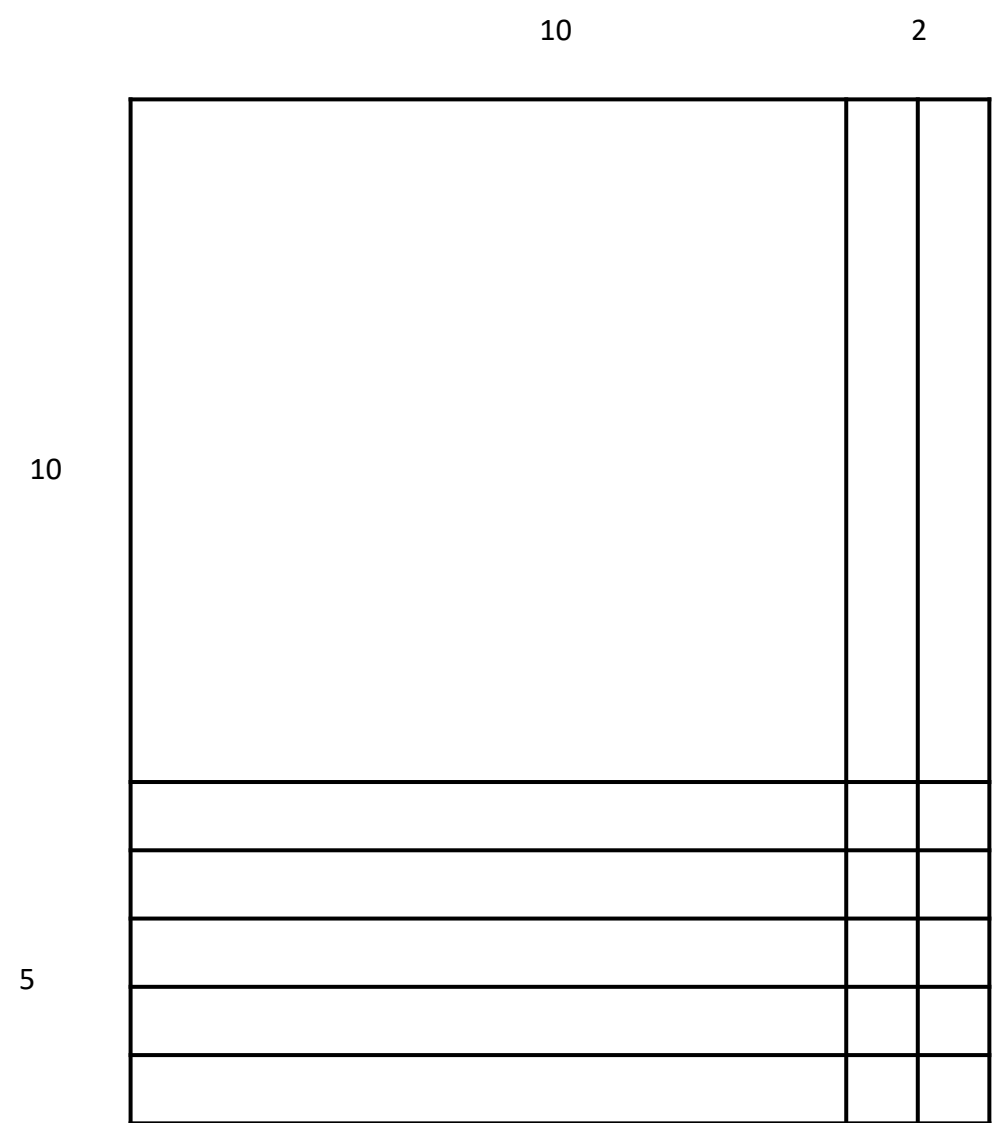
Yellow

5. Which model represents 11 X 13 = 143?

A.

B.

C.
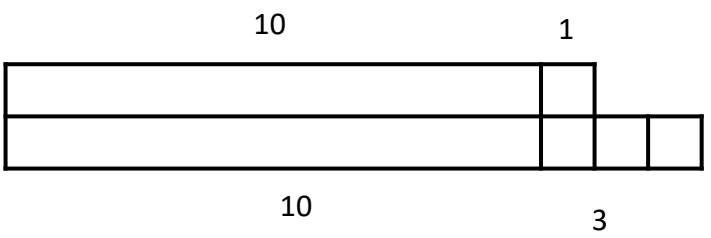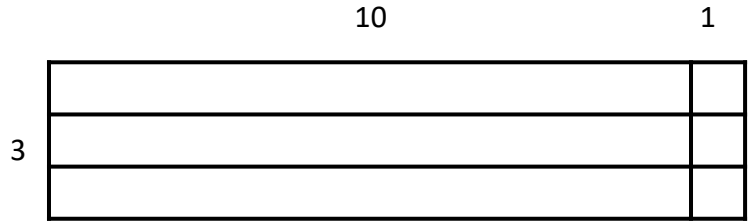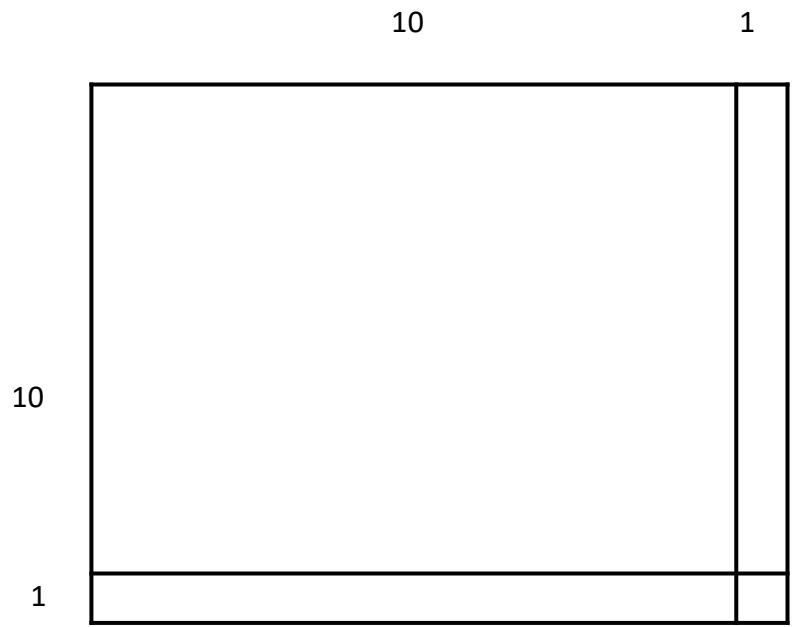
D.
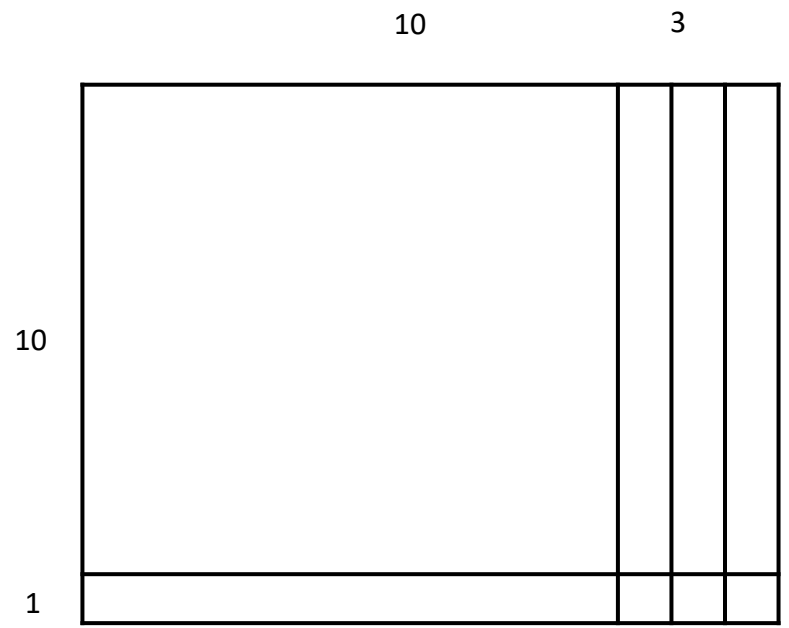
Red

6. Disgusting Donald sold 50 tickets to the Disgusting Diners' Banquet. Each ticket cost $10. How much money should Donald have from his ticket sales?

A. $50

B. $550

C. $505

D. $500

PBGYR

7. A number sentence is shown below.

◇ X10 = ◯

Which table shows numbers that make the number sentence true?

A.

◇	◯
32	320
42	420
92	920
122	1,220

C.

◇	◯
32	3,200
42	4,200
92	9,200
122	12,200

B.

◇	◯
32	3,020
42	4,020
92	9,020
122	12,020

D.
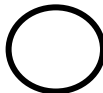
◇	◯
32	42
42	52
92	102
122	132

Purple

8. A number sentence is shown below.

◇ X100 = ◯

Which table shows numbers that make the number sentence true?

A.

◇	◯
32	320
42	420
92	920
122	1,220

C.

◇	◯
32	3,200
42	4,200
92	9,200
122	12,200

B.

◇	◯
32	3,020
42	4,020
92	9,020
122	12,020

D.

◇	◯
32	42
42	52
92	102
122	132

Blue

9. Write the multiplication problem and solution that go with this model.

10   1

10

5

Green

10. Which model represents 14 X 14 = 196?

C.

10   4

10

4

A.   4
10   4

B.
7

2

D.
14

1
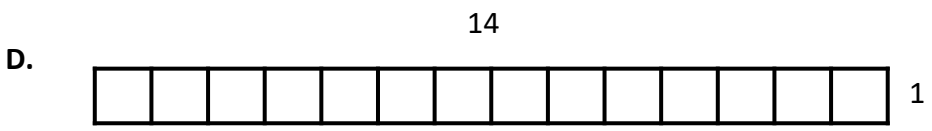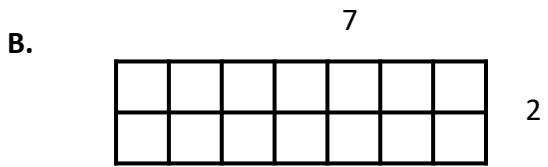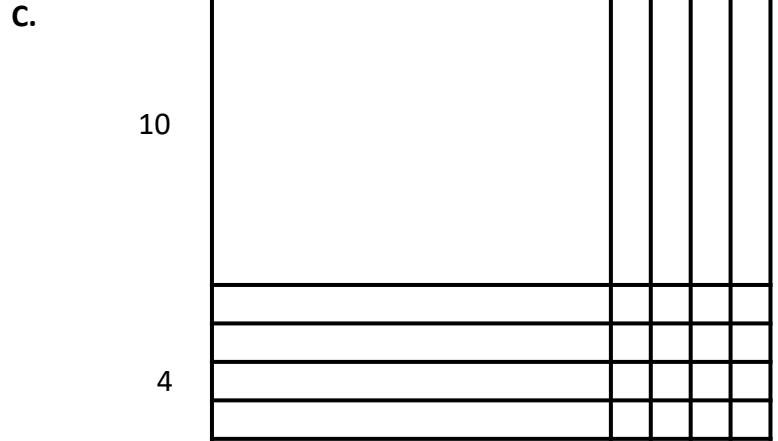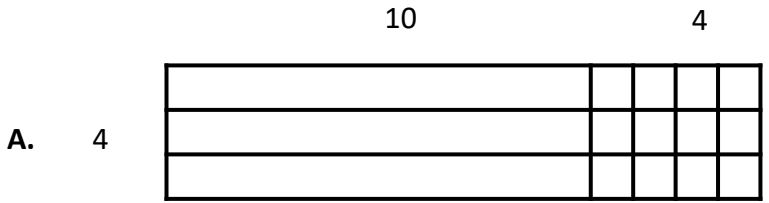
Yellow

11. Muscular Marvin does 100 sit ups a day. How many sit ups does he do in 31 days?
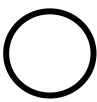
A. 310

B. 3,100

C. 31,000

D. 301

Red

12. A number sentence is shown below.

◇ X10 = ◯

Which table shows numbers that make the number sentence true?

A.

| ◇	◯
100	110
110	120
120	130
130	140

C.

◇	◯
100	10
110	11
120	12
130	13

B.

◇	◯
100	10,000
110	11,000
120	12,000
130	13,000

D.

◇	◯
100	1,000
110	1,100
120	1,200
130	1,300

PBGYR

13. A number sentence is shown below.

$$\diamond \times 100 = \bigcirc$$

Which table shows numbers that make the number sentence true?

A.

◇	◯
100	110
110	120
120	130
130	140

C.

◇	◯
100	10
110	11
120	12
130	13

B.

◇	◯
100	10,000
110	11,000
120	12,000
130	13,000

D.

◇	◯
100	1,000
110	1,100
120	1,200
130	1,300

Purple

14. Write the multiplication problem and solution that go with this model.
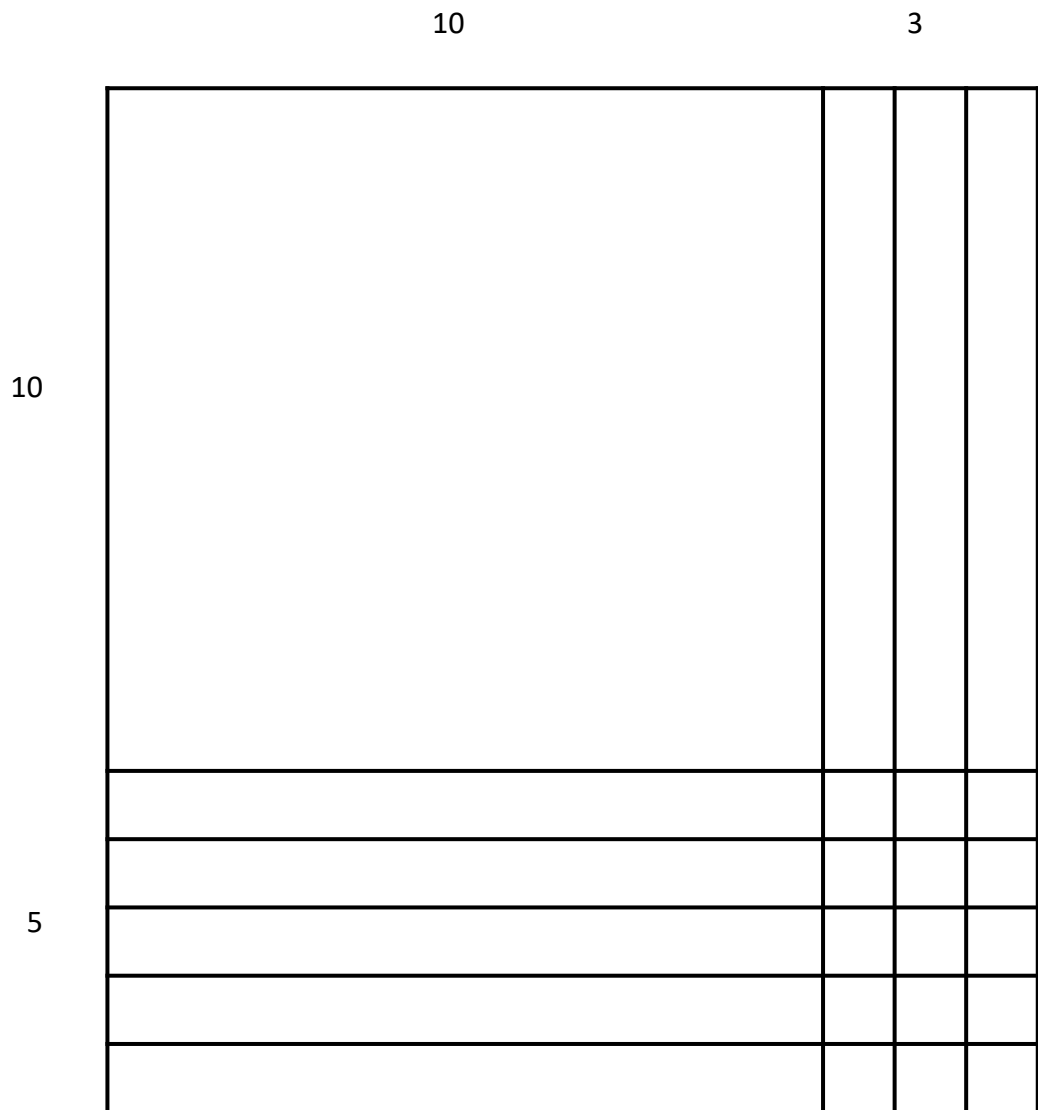
Blue

15. Which model represents 12 X 12 = 144?

A.

12

| | | | | | | | | | | | | 1

C.

6

| | | | | | |
| | | | | | | 2

B.

10   2

10

2

D.

10   2

2
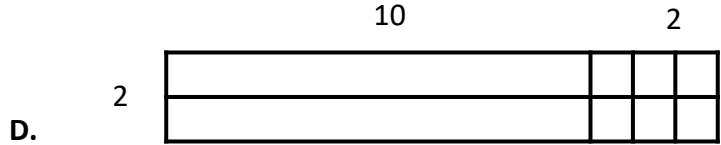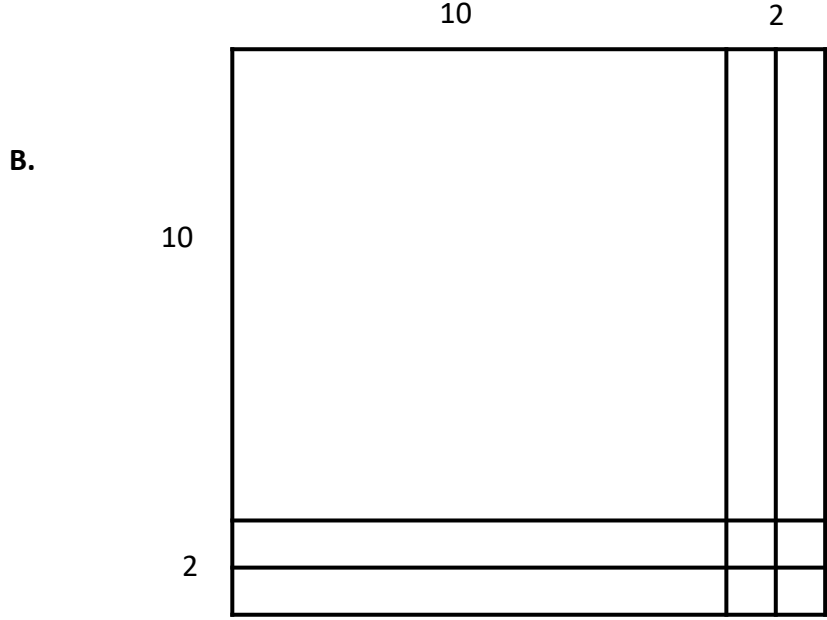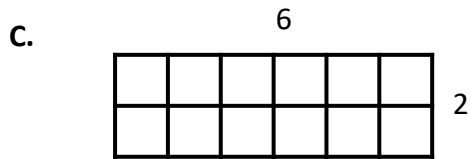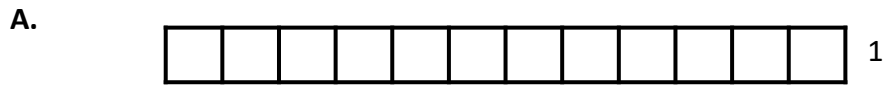
16. Ridiculous Rachel has written 67 books about knitting sweaters for 67 different kinds of zoo animals. Each book has exactly 100 pages. How many pages is that in all?

A. 607

B. 670

C. 1,340

D. 6,700

Yellow

17. A number sentence is shown below.

◇ X10 = ◯

Which table shows numbers that make the number sentence true?

A.

◇	◯
5	50
10	100
15	150
150	15,000

C.

◇	◯
5	15
10	20
15	25
150	160

B.

◇	◯
5	50
10	100
15	150
150	1,500

D.
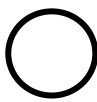
◇	◯
5	10
10	20
15	30
150	300

Red

18. A number sentence is shown below.

◇ X100 = ◯

Which table shows numbers that make the number sentence true?

A.

◇	◯
5	500
10	1,000
15	1,500
150	15,000

C.

◇	◯
5	15
10	20
15	25
150	160

B.

◇	◯
5	50
10	100
15	150
150	1,500

D.

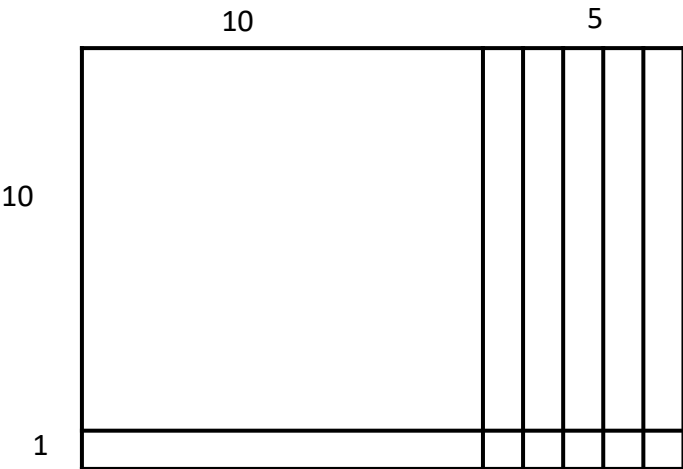| ◇	◯
5	10
10	20
15	30
150	300

PBGYR

19. Write the multiplication problem and solution that go with this model.

Purple

20. Which model represents 15 X 11 = 165?

A.

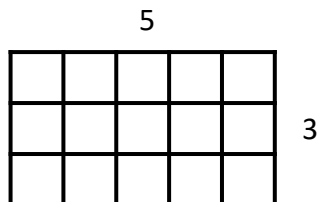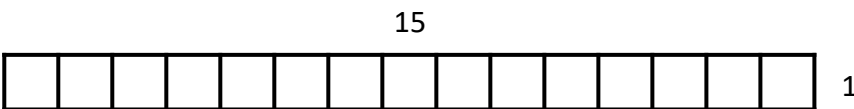10   5

10

1

C.

10   5

1

B.

5

3

D.

15

1
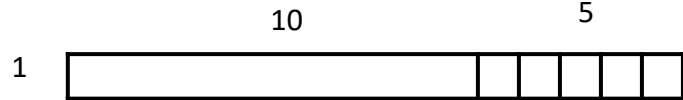
Blue

21. Bailey the Baker ordered 89 sacks of flour. Each sack contains 10 pounds of flour. How many pounds of flour is that in all?

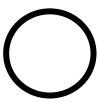A. 809

B. 99

C. 890

D. 8,900

Green

22. A number sentence is shown below.

◇ X 10 = ○

Which table shows numbers that make the number sentence true?

A.

◇	○
105	1,105
150	1,150
155	1,155
200	2,100

C.

◇	○
105	1,050
150	1,500
155	1,550
200	2,000

B.

◇	○
105	1,005
150	1,500
155	1,055
200	2,000

D.
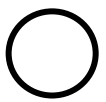
◇	○
105	10,500
150	15,000
155	15,500
200	20,000

Yellow

23. A number sentence is shown below.

$$\diamondsuit \times 100 = \bigcirc$$

Which table shows numbers that make the number sentence true?

A.

◇	◯
105	1,105
150	1,150
155	1,155
200	2,100

C.

◇	◯
105	1,050
150	1,500
155	1,550
200	2,000

B.

◇	◯
105	1,005
150	1,500
155	1,055
200	2,000

D.

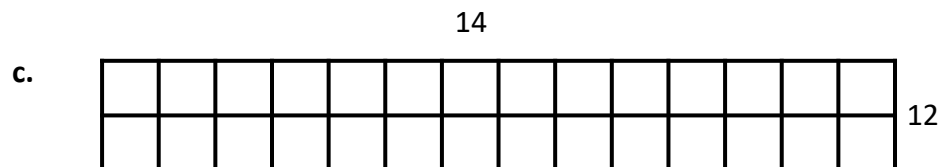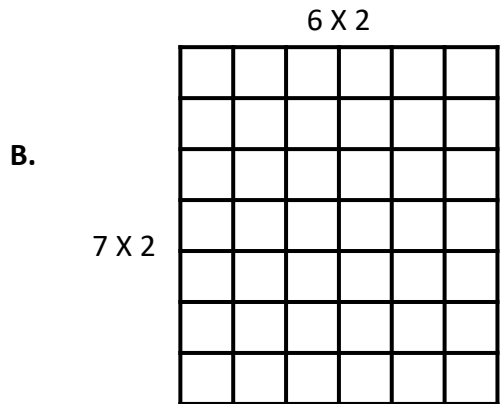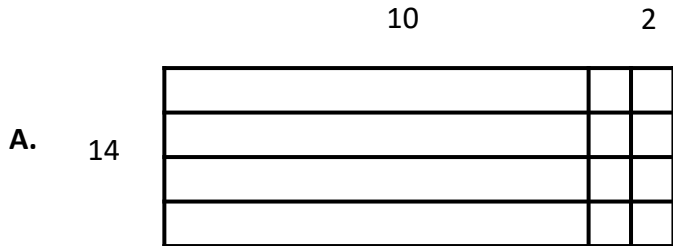| ◇	◯
105	10,500
150	15,000
155	15,500
200	20,000

Red

24. Write the multiplication problem and solution that go with this model.

PBGYR

25. Which model represents 12 X 14 = 168?

A.

10   2

14

B.

6 X 2

7 X 2

c.

14

12

D.

10   2

10

4
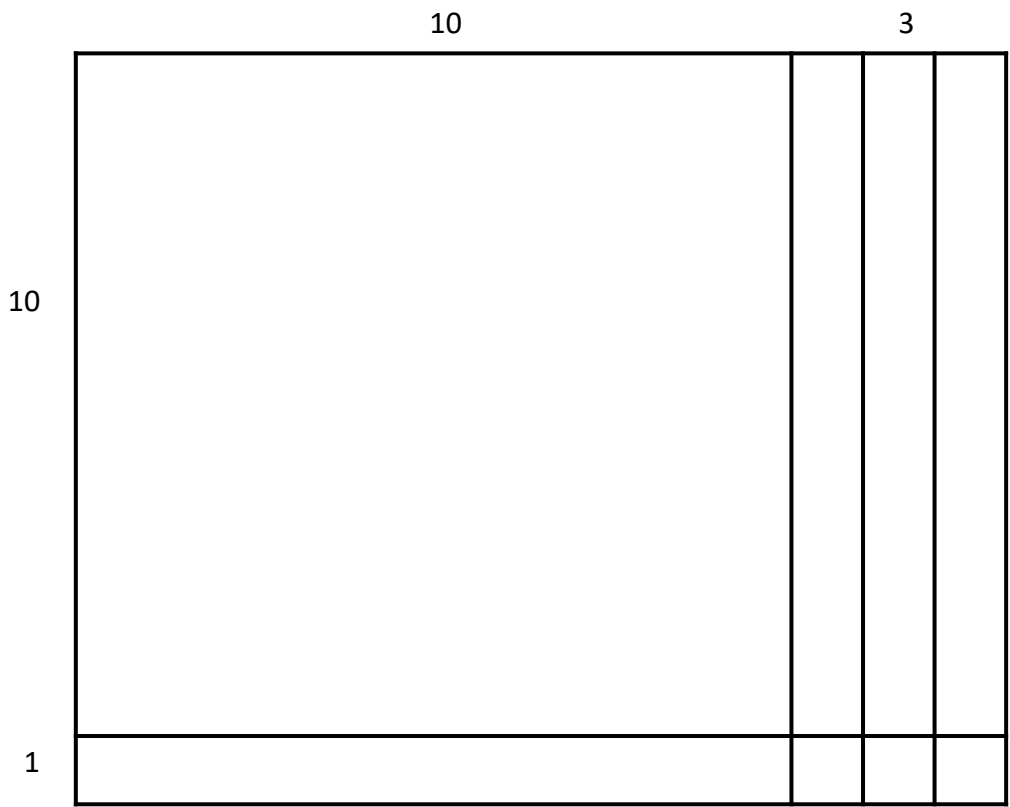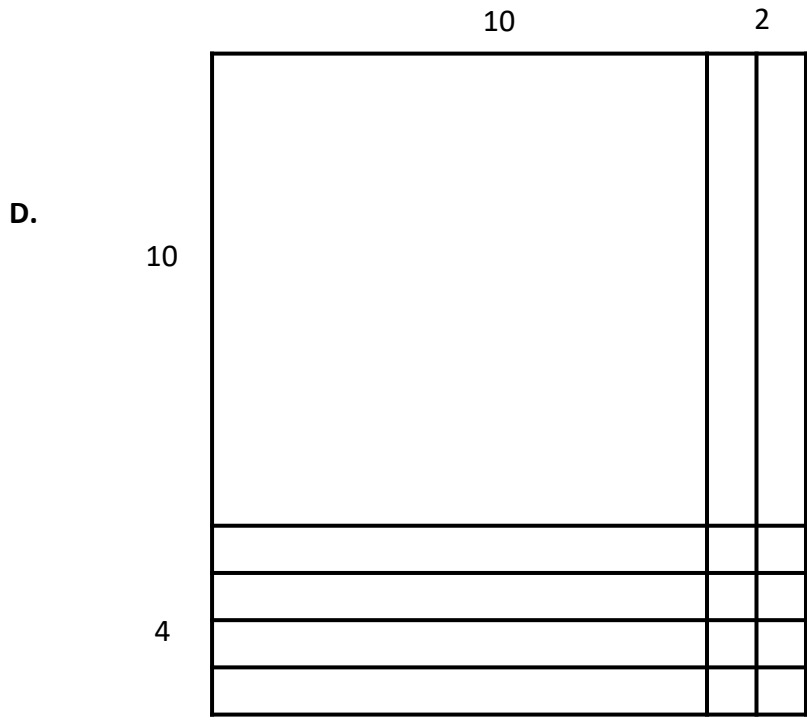
Purple

26. Baily the Baker baked 100 trays of cookies last week. Each tray holds 36 cookies. How many cookies is that in all?

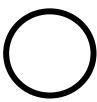A. 3,600

B. 360

C. 3,006

D. 306

Blue

27. A number sentence is shown below.

◇ X 10 = ◯

Which table shows numbers that make the number sentence true?

A.

◇	◯
20	200
215	2,150
305	3,050
315	3,150

C.

◇	◯
20	200
215	2,105
305	3,005
315	3,105

B.

◇	◯
20	210
215	225
305	315
315	325

D.
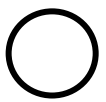
◇	◯
20	200
215	21,500
305	305,000
315	3,150,000

Green

28. A number sentence is shown below.

◇ X100 = ◯

Which table shows numbers that make the number sentence true?

A.

◇	◯
20	2,000
215	21,500
305	30,500
315	31,500

C.

◇	◯
20	200
215	2,105
305	3,005
315	3,105

B.

◇	◯
20	210
215	225
305	315
315	325

D.

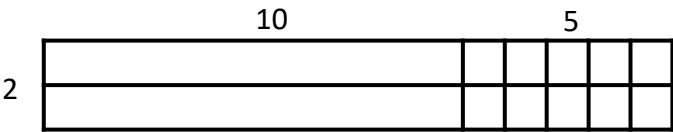| ◇	◯
20	200
215	21,500
305	305,000
315	3,150,000

Yellow

29. Write the multiplication problem and solution that go with this model.

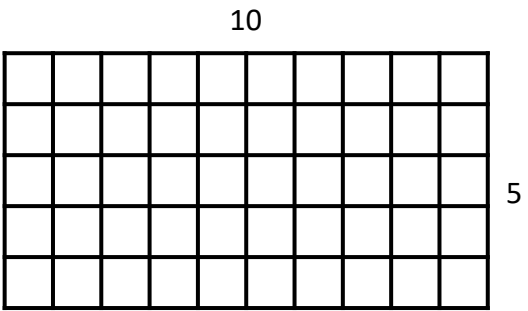**Red**

30. Which model represents 15 X 12 = 180?

A.

10   5

2

B.

10

5

10

5

C.

10   5

10

2

D.

15

12

PBGYR