

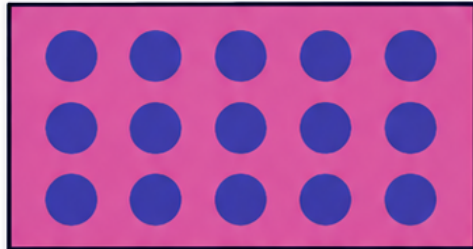
Name: Tooba

Subject: Maths

Date: 12 Oct



## Discover



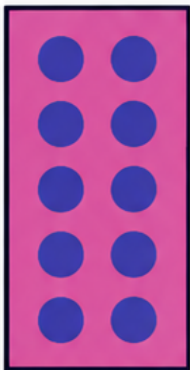
$$3 \times 5 = 15$$

$$\begin{array}{r} 3 \times 5 = 15 \\ 5 \times 3 = 15 \end{array}$$

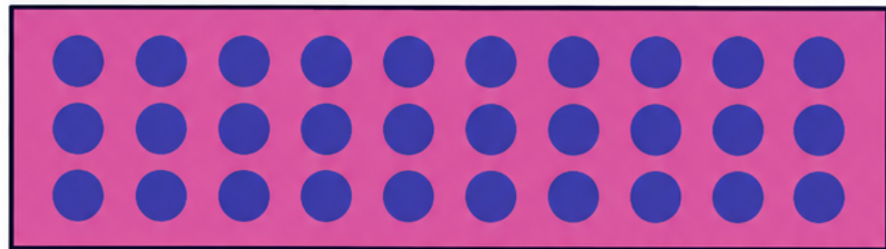


$$5 \times 3 = 15$$

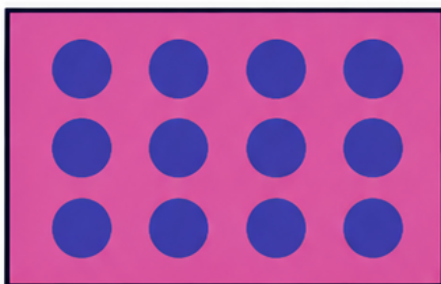
Write two multiplications for each array.



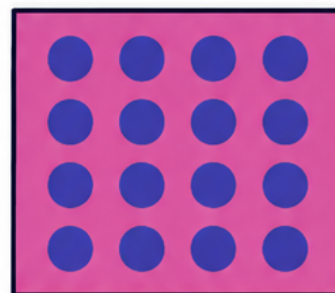
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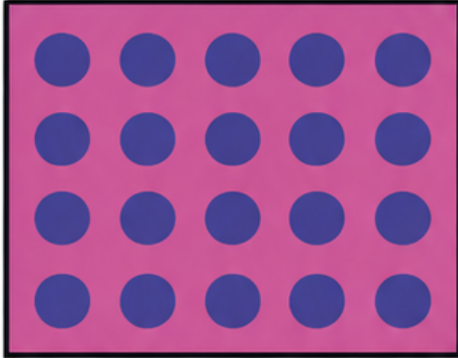


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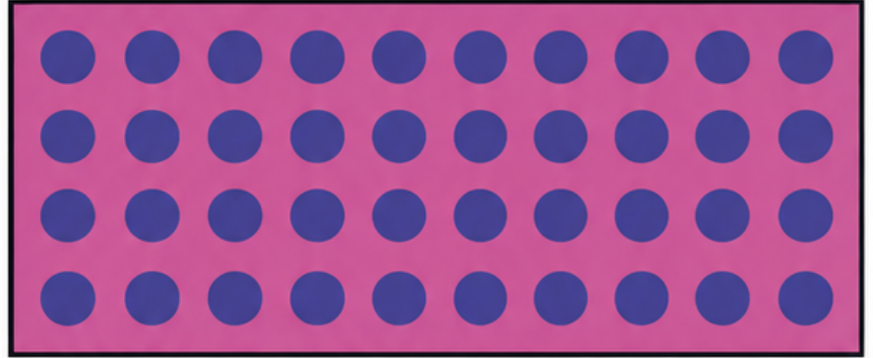
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Classwork



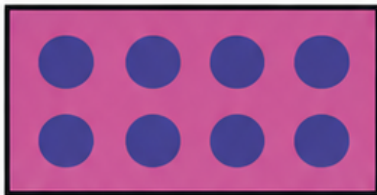
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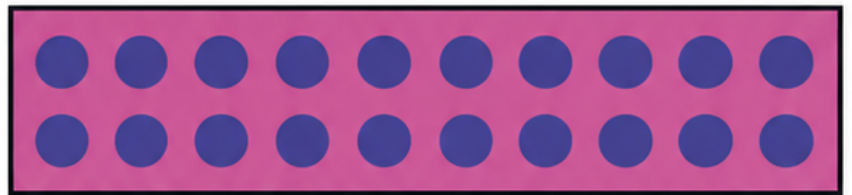
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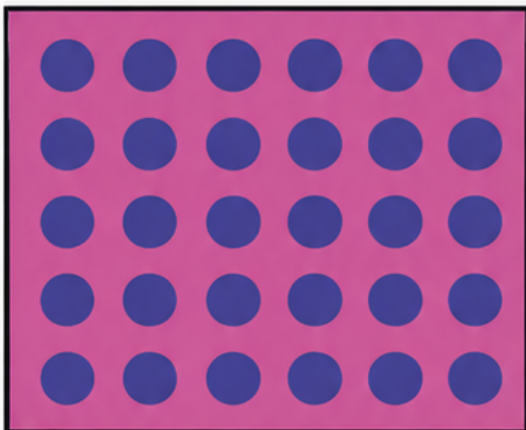
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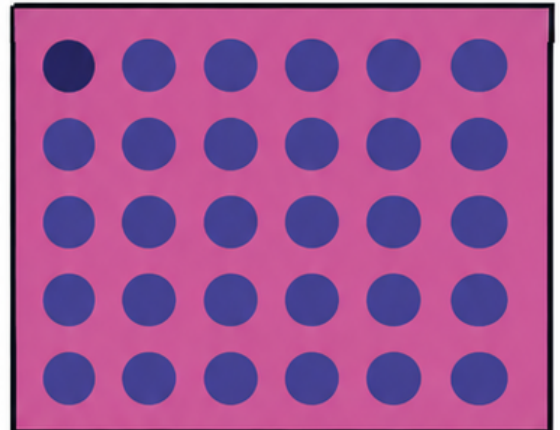
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Homework



## Explore

You need 24 counters, cubes or other small objects.

How many different arrays can you make?

Write the matching multiplications.

The first one has been done for you.



$$24 \times 1 = 24$$

$$1 \times 24 = 24$$

Now try with 36 cubes or counters.



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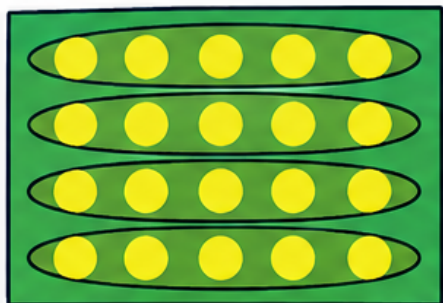


Classwork

## 6E Division as grouping

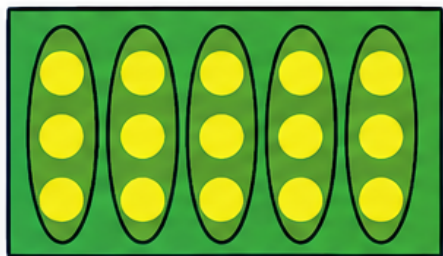
### Discover

Write the matching multiplication number sentences next to these arrays.



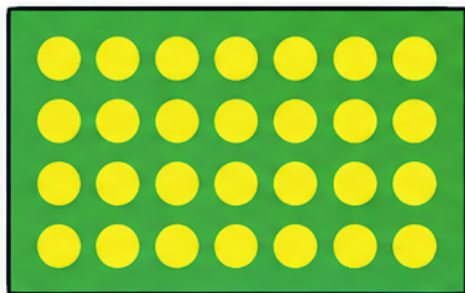
20 counters put into groups of 5.

$$20 \div 5 = 4$$



20 counters put into groups of 4.

$$20 \div 4 = \underline{\hspace{2cm}}$$

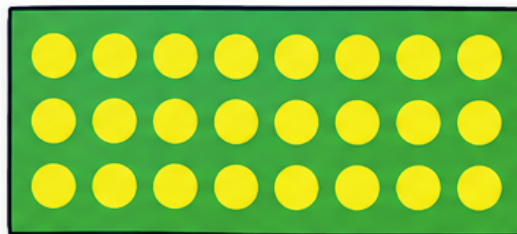


28 counters put into groups of 7.

$$28 \div 7 = \underline{\hspace{2cm}}$$

28 counters put into groups of 4.

$$28 \div 4 = \underline{\hspace{2cm}}$$

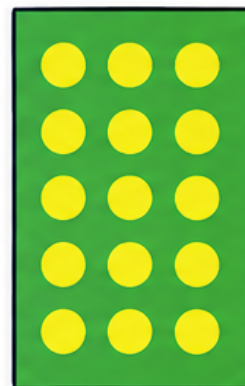


24 counters put into groups of 8.

$$24 \div 8 = \underline{\hspace{2cm}}$$

24 counters put into groups of 3.

$$24 \div 3 = \underline{\hspace{2cm}}$$

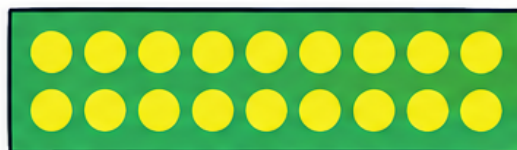


15 counters put into groups of 3.

$$15 \div 3 = \underline{\hspace{2cm}}$$

15 counters put into groups of 5.

$$15 \div 5 = \underline{\hspace{2cm}}$$



20 counters put into groups of 10.

$$20 \div 10 = \underline{\hspace{2cm}}$$

20 counters put into groups of 2.

$$20 \div 2 = \underline{\hspace{2cm}}$$



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Find the matching divisions for each multiplication in the 2, 5 and 10 times tables. Draw the array to help you.



|                  |                  |                                                        |                |
|------------------|------------------|--------------------------------------------------------|----------------|
| $0 \times 2 = 0$ | $2 \times 0 = 0$ | Try dividing by zero on a calculator.<br>What happens? |                |
| $1 \times 2 = 2$ | $2 \times 1 = 2$ | $2 \div 1 = 2$                                         | $2 \div 2 = 1$ |
| $2 \times 2 = 4$ |                  |                                                        |                |
| 3                |                  |                                                        |                |
| 4                |                  |                                                        |                |
| 5                |                  |                                                        |                |
| 6                |                  |                                                        |                |
| 7                |                  |                                                        |                |
| 8                |                  |                                                        |                |
| 9                |                  |                                                        |                |
| 10               |                  |                                                        |                |



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Homework



Find the matching division for each multiplication in the 2, 5 and 10 times tables. Draw the array to help you.



| $0 \times 5 = 0$  | $5 \times 0 = 0$ | $5 \div 1 = 5$ | $5 \div 5 = 1$ |
|-------------------|------------------|----------------|----------------|
| $1 \times 5 = 5$  | $5 \times 1 = 5$ |                |                |
| $2 \times 5 = 10$ |                  |                |                |
| 3                 |                  |                |                |
| 4                 |                  |                |                |
| 5                 |                  |                |                |
| 6                 |                  |                |                |
| 7                 |                  |                |                |
| 8                 |                  |                |                |
| 9                 |                  |                |                |
| 10                |                  |                |                |

2. Read the prices of these items.



3. Write in dollars and cents.

(a) \$4.75 =  dollars  cents

(b) \$8.00 =  dollars  cents

(c) \$0.35 =  dollars  cents

4. (a) How many one-cent coins can be changed for \$1?

(b) How many ten-cent coins can be changed for \$1?

(c) How many five-cent coins can be changed for \$1?

5. (a) 

3 fifty-cent coins = \$

(b) 

6 quarters = \$

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6. (a) How many quarters can be changed for a one-dollar bill?



(b) How many five-dollar bills can be changed for a twenty-dollar bill?



7.



I have 3 five-dollar bills and 8 one-dollar bills.



Melissa

How much money does Melissa have?

\$ \_\_\_\_\_

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## 8. Write in dollars.

(a)  $65\text{¢} = \$$

(b)  $165\text{¢} = \$$

$$\$1 = 100\text{¢}$$



## 9. Write in cents.

(a)  $\$0.85 =$   ¢

(b)  $\$1.20 =$   ¢

(c)  $\$2.00 =$   ¢

(d)  $\$2.05 =$   ¢

You can  
do it!



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# Classwork



10. Tanya bought this ruler.

She gave the shopkeeper \$1.

How much change did she receive?



$$\$1 - 45¢ = \text{ } ¢$$

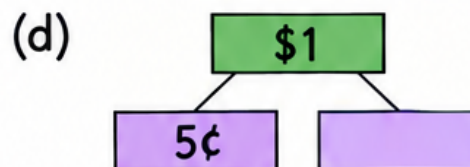
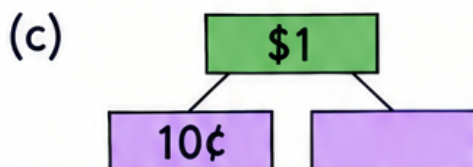
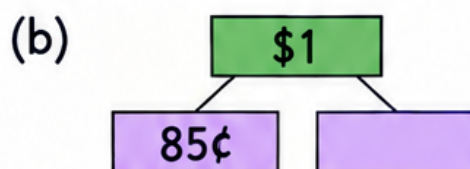
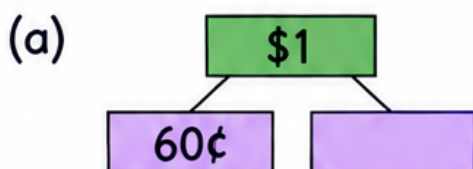


45¢ and 55¢ make \$1.

She received  ¢ change.



11. How much more money is needed to make \$1?



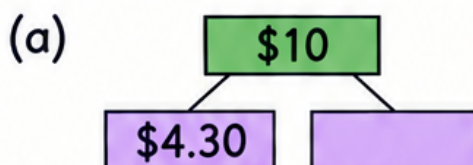
12. Find the value of

(a)  $\$1 - 20¢$

(b)  $\$1 - 75¢$

Exercise 4, page 70

13. How much more money is needed to make \$10?



14. Find the value of

(a)  $\$10 - \$5.40$

(b)  $\$10 - \$6.95$

Exercise 5, page 71



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# Homework



## 1. Write in dollars and cents.

(a) \$3.45 =  dollars  cents(b) \$6.00 =  dollars  cents(c) \$7.05 =  dollars  cents(d) \$0.80 =  dollars  cents

## 2. Write in cents.

(a) \$2.20 =  ¢(b) \$3.05 =  ¢

## 3. Write in dollars.

(a) 75¢ = \$ (b) 260¢ = \$ 