Multiplication and Addition

Find the costs.

Cost of 5 cars

30¢

Cost of 5 trains

Cost of 7 bows

Cost of 5 of each item

90⊄

What is the cost of

1 car and 1 train?

Cost of 4 pencils

Cost of 7 hats

28¢

Cost of 6 pens

Cost of 3 pencils

60¢

12¢

Cost of 8 pens

\$1.20

\$7.00

\$8.05

Cost of 6 of each item

Cost of 4 of each item

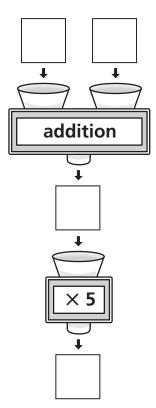
Cost of 7 of each item

What is the cost of

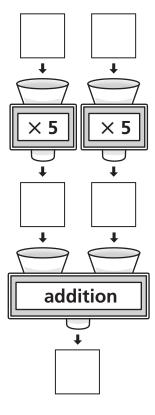
1 hat and 1 bow?

Show $(8 + 3) \times 5 = (8 \times 5) + (3 \times 5)$ using the machines below.

6



6



Using Sums to Multiply

Make the third product equal to the sum of the first two products.



B



 \times 3

 \times

 \times



 \times

X

X

×	







$^{\sim}$	

^	/

Multiplying with Base-Ten Blocks

Complete the tables.

а	4	10	14	а	4	10	14
6 × a				10 × a			

а	4	10	14
16 × a			

 $7 \times b$

8	10	18	b	8	10	18	
			10 × <i>b</i>				

b	8	10	18
17 × b			

B

5	10	15	 С	5	10	15	
			10 × c				

5 10 15 C $18 \times c$

 $8 \times c$

Multiplying with Arrays

$$\blacksquare$$
 15 $imes$ 10 = (\blacksquare $imes$ 10) + (\blacksquare \blacksquare \blacksquare \blacksquare \blacksquare

Separating Arrays to Multiply

18 6

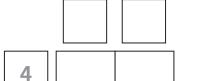
Fill in the missing numbers. Imagine or draw lines and intersections if needed.

0

$$18 \times 6$$



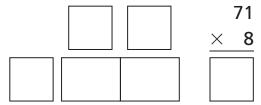
$$37 \times 4$$



37

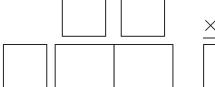
B

$$71 \times 8$$



4

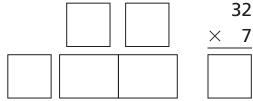
$$24 \times 9$$



24

6

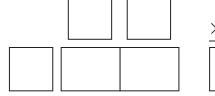
$$32 \times 7$$



6

7

$$37 \times 8$$



37

Multiplying with Larger Numbers

Fill in the missing numbers. Imagine or draw the diagrams if needed.

$$\times$$
 $=$

$$\times$$
 $=$

$$\times$$
 =

$$\times$$
 =

Finding Missing Factors

Complete the multiplication sentences. You may imagine or draw the diagrams if you wish.

20

29

$$\times 7 = 112$$

X

112

 \times 7







		1
X		
	1	ı







(4)	



 \times

F
 1







 \times 6 = 132







 \times









[



Division

Missing Factor

Describe how you might complete the following multiplication problem so that another student could understand your steps.

 \times 4

132

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