

4.OA.A.2 Problem Solving with Fact Families

4.OA.A.2: Multiply or divide to solve word problems involving multiplicative comparison.

1. Complete the fact family for the set of number.

Example: 6, 2, 12 $6 \times 2 = 12$ $2 \times 6 = 12$ $12 \div 6 = 2$ $12 \div 2 = 6$	3, 7, 21 <hr/> <hr/> <hr/> <hr/>	4, 5, 20 <hr/> <hr/> <hr/> <hr/>	2, 9, 18 <hr/> <hr/> <hr/> <hr/>
4, 8, 32 <hr/> <hr/> <hr/> <hr/>	6, 8, 48 <hr/> <hr/> <hr/> <hr/>	3, 6, 18 <hr/> <hr/> <hr/> <hr/>	7, 9, 63 <hr/> <hr/> <hr/> <hr/>






2. Use the table to answer the questions.

- How many mangoes are sold?
- Which fruit has the most sales? How many?
- How many more grapes are sold than apple?
- 30 pears are also sold. How many baskets of pears are sold?

Solution:

-
-
-
-

Number of Fruit Baskets Sold

Fruit	Number of Baskets
Mango	
Apple	
Orange	
Grapes	
Key: 1  = 5 fruits	

3. Mr. Johnsons sent an equal number of mails each day for 7 days. At the end of the week, he had sent 56 mails. How many mails did he send each day?

Solution:

4. A kid's entrance ticket to a park costs \$2. An adult's entrance ticket costs \$4. How much will it cost to enter the park for a family of six that has three adults and three kids?

Solution:

5. Yanyan baked 4 trays of cookies. Each tray has 7 cookies. How many cookies did Yanyan bake?

Solution:

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Answer Key

4.OA.A.2: Multiply or divide to solve word problems involving multiplicative comparison.

1. Complete the fact family for the set of number.

Example: 6, 2, 12 $6 \times 2 = 12$ $2 \times 6 = 12$ $12 \div 6 = 2$ $12 \div 2 = 6$	3, 7, 21 $3 \times 7 = 21$ $7 \times 3 = 21$ $21 \div 3 = 7$ $21 \div 7 = 3$	4, 5, 20 $4 \times 5 = 20$ $5 \times 4 = 20$ $20 \div 4 = 5$ $20 \div 5 = 4$	2, 9, 18 $2 \times 9 = 18$ $9 \times 2 = 18$ $18 \div 2 = 9$ $18 \div 9 = 2$
4, 8, 32 $4 \times 8 = 32$ $8 \times 4 = 32$ $32 \div 4 = 8$ $32 \div 8 = 4$	6, 8, 48 $6 \times 8 = 48$ $8 \times 6 = 48$ $48 \div 6 = 8$ $48 \div 8 = 6$	3, 6, 18 $3 \times 6 = 18$ $6 \times 3 = 18$ $18 \div 3 = 6$ $18 \div 6 = 3$	7, 9, 63 $7 \times 9 = 63$ $9 \times 7 = 63$ $63 \div 7 = 9$ $63 \div 9 = 7$






2. Use the table to answer the questions.

- How many mangoes are sold?
- Which fruit has the most sales? How many?
- How many more grapes are sold than apple?
- 30 pears are also sold. How many baskets of pears are sold?

Solution:

- 25 mangoes are sold
- Orange has the most sales; 35 oranges
- 10
- 6 baskets

Number of Fruit Baskets Sold

Fruit	Number of Baskets
Mango	
Apple	
Orange	
Grapes	
Key: 1  = 5 fruits	

3. Mr. Johnsons sent an equal number of mails each day for 7 days. At the end of the week, he had sent 56 mails. How many mails did he send each day?

Solution:

$$56 \div 7 = 8$$

Answer: 8 mails

4. A kid's entrance ticket to a park costs \$2. An adult's entrance ticket costs \$4. How much will it cost to enter the park for a family of six that has three adults and three kids?

Solution:

$$3 \times \$2 = \$6; 3 \times \$4 = \$12$$

$$\$6 + \$12 = \$18$$

Answer: \$18

5. Yanyan baked 4 trays of cookies. Each tray has 7 cookies. How many cookies did Yanyan bake?

Solution:

$$4 \times 7 = 28$$

Answer: 28 cookies