



**THIRD SPACE
LEARNING**

Types of Numbers Worksheet

Number and Quantity

Grades 4 to 5

Skill Questions

Name:

Date:

- 1 Show all the factor pairs of 20.

Answer

- 2 Show all the factor pairs of 37.

Answer

- 3 Circle the multiples of 3.

78 52 98 51 44

Answer

- 4 Circle the factors of 68.

8 17 22 1 34

Answer

- 5 Is 53 prime or composite?

Answer

Types of Numbers Worksheet | Grades 4 to 5

- 6 List the composite numbers between 80 and 90.

Answer

- 7 Fill in the blank to complete the equation.

$$11 \times (2 \times 9) = (9 \times \underline{\quad}) \times 2$$

Answer

- 8 Fill in the blank to complete the equation.

$$52 \times 9 = (\underline{\quad} \times 9) + (2 \times 9)$$

Answer

- 9 Fill in the blank to complete the equation.

$$2 \times 8 \times 15 = \underline{\quad} \times 8$$

Answer

- 10 Fill in the blanks to complete the strategy and the equation.

Strategy

Equation

	\times	10	8
14		<input type="text"/>	<input type="text"/>

$$14 \times 18 = \underline{\quad}$$

Answer

Applied Questions

- 11** Ms. Lee's art class is working on a project in a long hallway. There are 15 posters on the wall. Ms. Lee tells Mark to draw on every third poster, Ying to draw on every fourth poster, and Maryam to draw on every fifth poster. Which posters will not have any drawings? Explain.

- 12** A gardener has 40 flowers. He wants to plant them in equal rows. He needs at least 5 rows, but no more than 20 rows. How many rows can the gardener make? Write down all the ways he can make rows and how many flowers will be in each row.

Answer

- 13 Fill in the blanks to complete the strategy and the expression.

Strategy	Expression
$\begin{array}{c} \times \\ \hline \end{array} \begin{array}{ c c } \hline \hline 88 & 64 \\ \hline \end{array}$	$\begin{array}{c} \hline \end{array} \times \begin{array}{c} \hline \end{array}$

- 14 Santiago writes the expression $(5 \times 4) + (8 \times 4)$.
Mel writes the expression $(13 \times 2) + (13 \times 2)$.
Are the expressions equivalent? Explain without solving.

- 15 A farmer has 36 rows of apple trees in her orchard. Each row has 24 apple trees. Each tree grows 125 apples. How many apples can the farmer pick in total? Show how you solved the problem and explain your steps.

Answers

Question number	Question	Answers	Standard
1	Show all the factor pairs of 20.	1, 20 2, 10 4, 5	4.OA.B.4
2	Show all the factor pairs of 37.	1, 37	4.OA.B.4
3	Circle the multiples of 3. 78 52 98 51 44	78, 51	4.OA.B.4
4	Circle the factors of 68. 8 17 22 1 34	17, 1, 34	4.OA.B.4
5	Is 53 prime or composite?	prime	4.OA.B.4
6	List the composite numbers between 80 and 90.	81, 82, 84, 85, 86, 87, 88	4.OA.B.4
7	Fill in the blank to complete the equation. $11 \times (2 \times 9) = (9 \times \underline{\quad}) \times 2$	11	4.NBT.B.5
8	Fill in the blank to complete the equation. $52 \times 9 = (\underline{\quad} \times 9) + (2 \times 9)$	50	4.NBT.B.5
9	Fill in the blank to complete the equation. $2 \times 8 \times 15 = \underline{\quad} \times 8$	30	4.NBT.B.5
10	Fill in the blanks to complete the strategy and the equation. <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;"> <p>Strategy</p> <div style="display: flex; align-items: center;"> <div style="text-align: right; margin-right: 10px;"> \times 14 </div> <div style="border: 1px solid black; padding: 5px; display: inline-block;"> <div style="display: flex; justify-content: space-between; padding: 0 10px;"> 108 </div> <div style="border-top: 1px solid black; height: 20px; width: 100%;"></div> </div> </div> </div> <div style="text-align: center;"> <p>Equation</p> $14 \times 18 = \underline{\quad}$ </div> </div>	<div style="text-align: center;"> <p>Strategy</p> <div style="display: flex; align-items: center;"> <div style="text-align: right; margin-right: 10px;"> \times 14 </div> <div style="border: 1px solid black; padding: 5px; display: inline-block;"> <div style="display: flex; justify-content: space-between; padding: 0 10px;"> 108 </div> <div style="border-top: 1px solid black; height: 20px; width: 100%;"></div> </div> </div> </div> <div style="text-align: center;"> <p>Equation</p> $14 \times 18 = \underline{252}$ </div>	4.NBT.B.5

Types of Numbers Worksheet | Grades 4 to 5 | Answers

Question number	Question	Answers	Standard
11	Ms. Lee's art class is working on a project in a long hallway. There are 15 posters on the wall. Ms. Lee tells Mark to draw on every third poster, Ying to draw on every fourth poster, and Maryam to draw on every fifth poster. Which posters will not have any drawings? Explain.	Answers will vary. Example answer: Poster 1, 2, 7, 11 and 13 do not get drawn on, because they are not multiples of 3, 4 or 5.	4.OA.B.4
12	A gardener has 40 flowers. He wants to plant them in equal rows. He needs at least 5 rows, but no more than 20 rows. How many rows can the gardener make? Write down all the ways he can make rows and how many flowers will be in each row.	5 rows of 8 flowers 8 rows of 5 flowers 10 rows of 4 flowers 20 rows of 2 flowers	4.OA.B.4
13	Fill in the blanks to complete the strategy and the expression. <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p>Strategy</p> $\begin{array}{r} \times \\ \hline \end{array}$ <div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 5px; margin: 0 5px;">88</div> <div style="border: 1px solid black; padding: 5px; margin: 0 5px;">64</div> </div> </div> <div style="text-align: center;"> <p>Expression</p> <p>_____ × _____</p> </div> </div>	<p style="text-align: center;">Strategy</p> $\begin{array}{r} \times \quad \underline{11} \quad + \quad \underline{8} \\ \hline \end{array}$ <div style="display: flex; align-items: center; justify-content: center;"> <div style="border: 1px solid black; padding: 5px; margin: 0 5px;">88</div> <div style="border: 1px solid black; padding: 5px; margin: 0 5px;">64</div> </div> <p style="text-align: center;">Expression</p> $\underline{8} \times \underline{19}$	4.OA.B.4
14	Santiago writes the expression $(5 \times 4) + (8 \times 4)$. Mel writes the expression $(13 \times 2) + (13 \times 2)$. Are the expressions equivalent? Explain without solving.	Answers will vary. Example answer: Yes, because using the distributive property both expressions are equal to 13×4 .	4.NBT.B.5

Types of Numbers Worksheet | Grades 4 to 5 | Answers




Question number	Question	Answers	Standard
15	A farmer has 36 rows of apple trees in her orchard. Each row has 24 apple trees. Each tree grows 125 apples. How many apples can the farmer pick in total? Show how you solved the problem and explain your steps.	<p>Answers will vary.</p> <p>Example answer:</p> $36 \times 24 = 864$ apple trees $864 \times 125 = 108,000$ apples First, I found the total number of apple trees in the orchard by multiplying the number of rows by the number of trees in each row. Then, I multiplied that by the number of apples each tree produces to find the total number of apples harvested.	4.NBT.B.5

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