

Decomposing by Distributing

Assignment

Math 3

Part A:

Fill in the blanks to complete the equations.

1. $\underline{\quad} \times \underline{\quad} = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$
 $= \underline{\quad} + \underline{\quad}$
 $= \underline{\quad}$

$6 \times 5 = \underline{\quad}$

$3 \times 5 = \underline{\quad}$

2. $\underline{\quad} + \underline{\quad} = (\underline{\quad} + \underline{\quad}) + (\underline{\quad} + \underline{\quad})$
 $= \underline{\quad} + \underline{\quad}$
 $= \underline{\quad}$

$20 + 4 = \underline{\quad}$

$16 + 4 = \underline{\quad}$

3. $\underline{\quad} + \underline{\quad} = (\underline{\quad} + \underline{\quad}) + (\underline{\quad} + \underline{\quad})$
 $= \underline{\quad} + \underline{\quad}$
 $= \underline{\quad}$

$10 + 5 = \underline{\quad}$

$30 + 5 = \underline{\quad}$

4. $\underline{\quad} \times \underline{\quad} = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$
 $= \underline{\quad} + \underline{\quad}$
 $= \underline{\quad}$

$4 \times 3 = \underline{\quad}$

$3 \times 3 = \underline{\quad}$

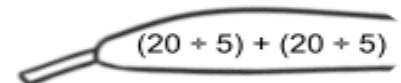
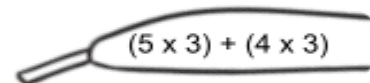
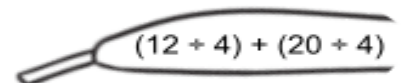
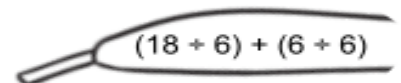
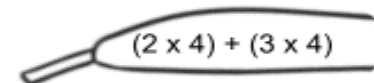
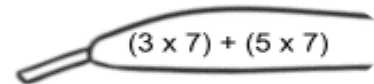
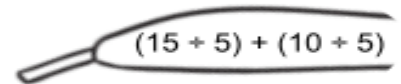
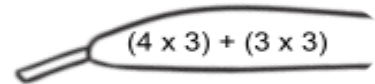
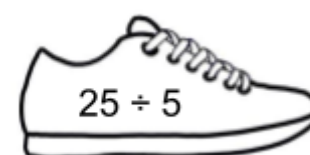
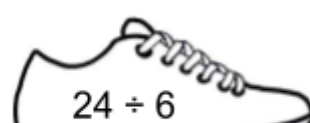
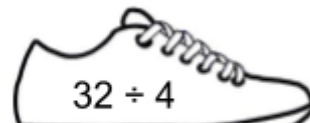
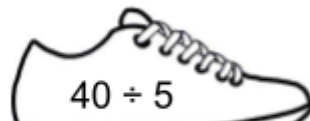
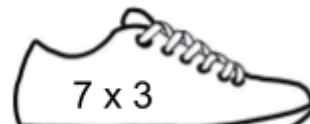
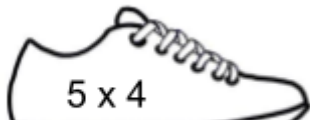
Decomposing by Distributing

Assignment

Math 3

Part B:

Match the shoe to its shoelace that has its decomposed expression.



Decomposing by Distributing

Assignment

Math 3

Part C:

Decompose the numbers on top in order to answer the expression.

1. $8 \times 7 = \underline{\quad}$

2. $45 \div 5 = \underline{\quad}$

3 sevens + _____ sevens = _____ sevens
 $(3 \times 7) + (\underline{\quad} \times 7) = 8 \times 7$
 $21 + \underline{\quad} = \underline{\quad}$
 $8 \times 7 = \underline{\quad}$

$(25 \div 5) + (\underline{\quad} \div 5) = 45 \div 5$
 $5 + \underline{\quad} = \underline{\quad}$
 $45 \div 5 = \underline{\quad}$

3. $30 \div 3 = \underline{\quad}$

4. $9 \times 6 = \underline{\quad}$

$(18 \div \underline{\quad} + 3) = 30 \div 3$
 $6 + \underline{\quad} = \underline{\quad}$
 $30 \div 3 = \underline{\quad}$

4 sixes + _____ sixes = _____ sixes
 $(4 \times 6) + (\underline{\quad} \times 6) = 9 \times 6$
 $24 + \underline{\quad} = \underline{\quad}$
 $9 \times 6 = \underline{\quad}$

Decomposing by Distributing Assignment**Math 3****Part D:**

Distribute the following expressions.

$$9 \times 3 = (_ \times _) + (5 \times _) = _ + _ = _$$

$$8 \times 6 = (_ \times _) + (4 \times _) = _ + _ = _$$

$$7 \times 5 = (3 \times _) + (_ \times _) = _ + _ = _$$

$$6 \times 4 = (4 \times _) + (_ \times _) = _ + _ = _$$

$$9 \times 7 = (_ \times _) + (4 \times _) = _ + _ = _$$

$$8 \times 3 = (3 \times _) + (_ \times _) = _ + _ = _$$

$$36 \div 4 = (24 \div _) + (_ \div _) = _ + _ = _$$

$$42 \div 6 = (30 \div _) + (_ \div _) = _ + _ = _$$

$$56 \div 7 = (28 \div _) + (_ \div _) = _ + _ = _$$

$$45 \div 5 = (_ \div _) + (30 \div _) = _ + _ = _$$

$$48 \div 8 = (_ \div _) + (32 \div _) = _ + _ = _$$

$$24 \div 2 = (_ \div _) + (10 \div _) = _ + _ = _$$