FACTORS AND DIVISION

Q1: Complete these.

a) Put a ring around the numbers that are factors of **24**:

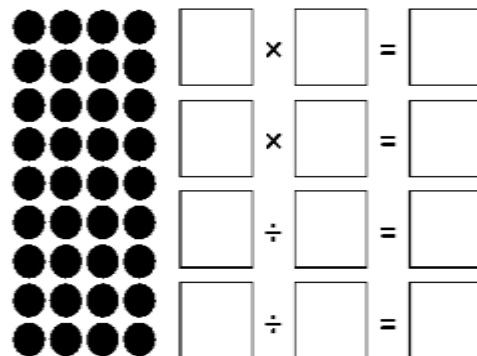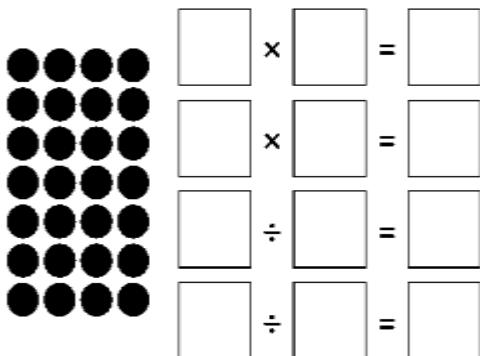| 2, | 9, | 48, | 4, | 12, | 3, | 6, | 7, | 1 |

b) Put a ring around the numbers that are factors of **100**:

| 45, | 50, | 35, | 25, | 70, | 200, | 10, | 4 |

c) Put a ring around the numbers that are factors of **45**:

| 9, | 90, | 180, | 7, | 1, | 15, | 3, | 5 |

Q2: Use each array to write two multiplications and two division fact:

Q3: Find all factors of following by drawing a factor rainbow for each:

a) **68**

b) **30**

c) **56**

Q4: Use mental strategy of multiplication to find the product of following:

(Note: No long multiplication is allowed)

a) 473 x 8

b) 964 x 7

c) 698 x 6

d) 918 x 9

Q5: Use written method to find each product:

9 2 × 1 8	8 3 × 2 7	7 4 × 3 6
6 2 × 4 5	5 6 × 9 4	4 7 × 6 3
9 6 × 7 8	8 6 × 9 7	5 6 × 7 9

Q6: Use the expanded written method to multiply followings:

```
    4 4 6
  ×       2
  ─────────
          (2 × 6)
          (2 × 40)
  +       (2 × 400)
  ─────────
```

```
    7 5 3
  ×       7
  ─────────
          (7 × 3)
          (7 × 50)
  +       (7 × 700)
  ─────────
```
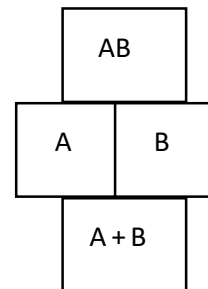
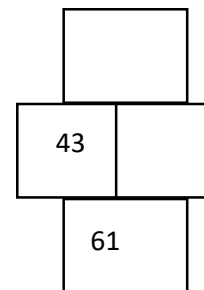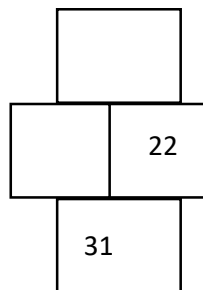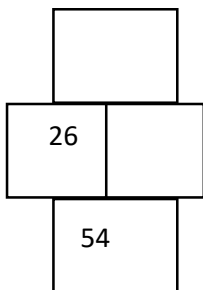Q7: Look at the picture below:

The **top** number is the **product** of multiplying the 2 numbers in the middle blocks.

The **bottom** number is the **sum** of 2 middle blocks.

```
    AB
  A │ B
   A + B
```

Find the missing numbers:

```
      │
  26 │
    54
```

```
      │
    │ 22
    31
```

```
      │
  43 │
    61
```

Q8: Complete each division.

a) 329 ÷ 8

b) 487 ÷ 6

c) 427 ÷ 7

d) 367 ÷ 6

Q9: Divide these 2 digit numbers. Each problem will have a remainder.

a   9) 7   5   r

b   4) 4   7   r

c   6) 3   8   r

d   8) 9   2   8

e   4) 6   3   5   r

f   4) 8   1   9   r

Q10: Word Problems.

a) Mildred went to the store 39 times last month. She buys 5 crayons each time she goes to the store. How many crayons did Mildred buy last month?

_____

_____

_____

_____

_____

b) There are 98 pencils in each box. How many pencils are in 3 boxes?

_____

_____

_____

_____

c) There were 380 passengers on a plane. Half of them got off in Lahore. The rest flew onto Karachi. How many passengers flew on to Karachi?

_____

_____

_____

_____

d) Each card costs $3.00. How much do 44 cards cost?

_____

_____

_____

_____

e) There are 7 oranges in each box. How many oranges are in 68 boxes?

_____

_____

_____

_____

f) Each child has 4 apples. If there are 39 children, how many apples are there in total?

_____

_____

_____

_____

_____

g) Kathy is inviting 69 friends to a party. She has 1242 cookies. How many cookies will each friend get?

_____

_____

_____

_____

_____

h) Stephanie wants to split a collection of stickers into groups of 32. Stephanie has 32 stickers. How many groups will be created?

_____

_____

_____

_____

_____

i) Harry is inviting 74 friends to a party. He has 222 cookies. How many cookies will each friend get?

_____

_____

_____

_____

_____

j) There are 60 bottle caps in each box. How many bottle caps are in 5 boxes?

_____

_____

_____

_____

_____

Q11: Use the division symbol to solve each problem:

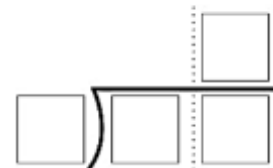a) 42 cupcakes were iced by 7 kids. If they each iced the same amount, how many did they ice each?

_____

_____

_____

_____

_____

b) How many pots were used if 6 seeds were planted in each pot from a
    packet of 54?

_____

_____

_____

_____

_____
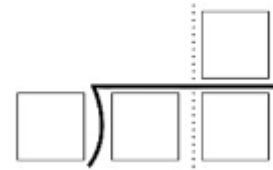
c) I run the same distance each day. Over 9 days the total distance is 72
    km. how far did Irun each day?

_____

_____

_____

_____

_____