

Name _____

Date _____

1. Skip-count by six to fill in the blanks. Match each number in the count-by with its multiplication fact.

Number in Starburst	Connected Multiplication Fact
6	1×6
12	2×6
18	3×6
24	4×6
30	5×6
36	6×6
42	7×6
48	8×6
54	9×6
60	10×6

2. Count by six to fill in the blanks below.

6, 12, 18, 24

Complete the multiplication equation that represents the final number in your count-by.

$$6 \times \underline{4} = \underline{24}$$

Complete the division equation that represents your count-by.

$$\underline{24} \div 6 = \underline{4}$$

3. Count by six to fill in the blanks below.

6, 12, 18, 24, 30, 36, 42

Complete the multiplication equation that represents the final number in your count-by.

$$6 \times \underline{7} = \underline{42}$$

Complete the division equation that represents your count-by.

$$\underline{42} \div 6 = \underline{7}$$

4. Mrs. Byrne's class skip-counts by six for a group counting activity. When she points up, they count up by six, and when she points down, they count down by six. The arrows show when she changes direction.

a. Fill in the blanks below to show the group counting answers.

↑ 0, 6, 12, 18, 24 ↓ 18, 12 ↑ 18, 24, 30, 36 ↓ 30, 24, 18 ↑ 24, 30, 36, 42, 48

b. Mrs. Byrne says the last number that the class counts is the product of 6 and another number. Write a multiplication sentence and a division sentence to show she's right.

$$6 \times \underline{8} = 48$$

$$48 \div 6 = \underline{8}$$

5. Julie counts by six to solve 6×7 . She says the answer is 36. Is she right? Explain your answer.

No she isn't correct. I counted by 6's - 7 times and I got 42. So $6 \times 7 = 42$ NOT 36.

6, 12, 18, 24, 30, 36, 42