



Name _____ Class _____ Date _____

AFTER THIS WORKSHEET YOU CAN

✓ Create/index arrays ✓ push/pop/shift ✓ map and filter ✓ Find array length



Section A · Concept Check

• BEGINNER

4 × 1 = 4

1 [10,20,30][1] is:

☐ A. 10 ☐ B. 20 ☐ C. 30 ☐ D. 1

3 [1,2,3].map(x=>x*2) gives:

☐ A. [2,4,6] ☐ B. [1,2,3,2] ☐ C. 6 ☐ D. [1,4,9]

2 Add to the end with:

☐ A. push ☐ B. pop ☐ C. shift ☐ D. join

4 filter returns:

☐ A. one item ☐ B. a new array of matches☐ C. true ☐ D. the index

Section B · Problem Solving

• INTERMEDIATE

2 + 3 × 3 = 11

5 arr.() removes the last item.

6 [1,2,3].length = ...

7 Create an array of 3 colors.

8 Double every number in [1,2,3].

9 Keep only even numbers of [1..6].



Section C · Challenge

• CHALLENGE

5

10 What does [1,2,3].pop() return and leave?

Reflection — the most useful thing I learned:

A ___/4 B ___/11 C ___/5 Total ___/20

Teacher's Signature

Parent's Signature

✂ ANSWER KEY — FOLD OR CUT BEFORE HANDING OUT

1-B 2-A 3-A 4-B | 5 pop 6 3 7 = const colors=['red','green','blue']; 8 =
[1,2,3].map(n=>n*2) = [2,4,6] 9 = arr.filter(n=>n%2===0) = [2,4,6] | 10 = Returns 3; array
becomes [1,2]