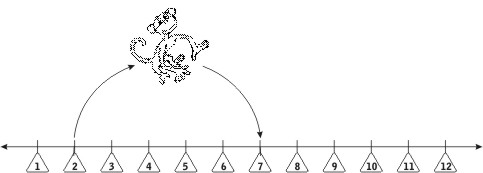


**Asset Practice Answers: Mathematics**

1. Bunjee starts from 2 and moves forward along the line. In each move, he jumps 5 steps forward.



On which number will he be just after the first 3 moves?

A. 5

B. 15

**C. 17**

D. 32

2. In which of these numbers is the place value of 7 the greatest?

A. 7

B. 37

**C. 171**

D. 907

3. 3 Tens + 5 Hundreds + 2 Ones is

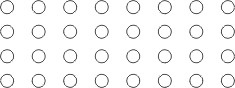
A. 352

B. 523

C. 253

**D. 532**

4. 32 circles are arranged in 4 rows in the figure below.



Which of these will give the number of circles IN A ROW?

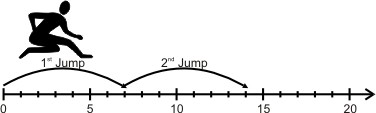
**A. 32 ÷ 4**

B. 4 x 8

C. 24 + 8

D. 4 - 1

5. Jumping Jack starts jumping from 0 and covers the same distance with every jump.



In which jump will he cross 30?

A. 4 th

**B. 5 th** C. 10 th D. 30 th

6. I have some flowers which are in 6 equal bunches as shown:



I want to put these flowers in exactly 8 equal bunches. How many flowers should I put in each bunch?

**A. 3**

B. 4

C. 6

D. 10

7. Which product will have the unit's digit as 8?

**A. 82 x 49**

B. 4 x 200

C. 48 x 28

D. 76 x 52

8. 7 × 37 = 37 + 37 + 37 + 37 + 37 + 37 + 37

What should be added to 7 × 37 to get 9 × 37?

(Note: You need not calculate the answers of 7 × 37 and 9 × 37.)

A. 2

B. 7 × 9

**C. 2 × 37**

D. 7 × 37

9. Which of the following gives the largest quotient?

**A. 478 ÷ 5**

B. 478 ÷ 9

C. 478 ÷ 7

D. 478 ÷ 12

10. Which of these number sentences is TRUE?

A. 493 ÷ 1 = 1

B. 493 ÷ 493 = 0

**C. 493 ÷ 493 = 1**

D. 493 ÷ 493 = 493

11. 2 + 2 + 2 + 2 + 2 + 2 = 4 × A. 6

B. 4

**C. 3**

D. 2

12. Which of these is 841 CLOSEST to?

A. 84 ones **B. 84 tens** C. 48 tens

D. 8 hundreds



**Maths**

1. C: Bunjee starts from 2, and jumps 5 steps forward. So where would he be? At 2 + 5 = 7 isn't it? If he again jumps 5 steps he would be at 7 + 5 = 12. The third jump will take him to 12 + 5 = 17. You could also reason out as, in one jump, he jumps 5 steps. So in 3 jumps he would jump 3 x 5 = 15 steps. So he would be at 2 + 15 = 17.

2. C: What is the place value of 7 in each of these 4 options? In 7 it is 7 ones. In 37 also it is 7 ones. In 171, it is 7 tens that is 70. In 907, again it is 7 ones. So the place value of 7 is the greatest in 171. 907 is the largest number among the options, but the place value of 7 in it is not the greatest.

3. D: How do we write a number? The first digit on the right gives the number of ones, the second digit from the right gives the number of tens and the third digit from the right gives the number of hundreds, isn't it? So the given number is 5 hundreds + 3 tens + 2 ones = 532. Remember 352 is 3 hundreds + 5 tens + 2 ones, which is not the same as given in the question.

4. A: 32 circles are arranged in 4 rows. We need to find how many circles are there in each row. Isn't this the same as saying that 32 marbles are divided into 4 groups. How many marbles are there in each group? How do we find the number of marbles in each group? 32 ÷ 4 gives us the number of marbles in each group.

5. B: Look at the figure. What distance does he cover in one jump? 7 units right? After the first jump, he is at 7, after 2 jumps he is at 14. After the third jump he would be at 21, and then at 28 after the fourth jump. Now when he makes his fifth jump, he would cross 30 as he will jump 7 units from 28. You could also reason out that he would jump 4 x 7 = 28 units in 4 jumps as he jumps 7 units in each jump, and cross 30 in the fifth jump.

6. A: There are 6 equal bunches and 4 flowers in each bunch. So there are 6 x 4 = 24 flowers in all. Now if we were to put

24 flowers in 8 equal bunches, we would have 24 ÷ 8 = 3 flowers in each bunch. Note that we are not asked the number

of flowers in each of the given bunches.

7. A: What would be the unit's digit in the product 82 x 49? When you actually find the product, what do you do? You multiply 2 x 9, get 18, and write down the unit's digit of 18, that is 8 at the unit's place of the product. So the units digit of

82 x 49 is 8. 4 x 200 = 800. The unit's digit here is 0. 8 is at the hundred's place. Also the unit's digit of 48 x 28 is the unit's digit of 8 x 8 = 64, that is 4. Can you find the unit's digit of 76 x 52?

8. C: 7 x 37 is 37 added to itself 7 times. 37 x 9 is 37 added to itself 9 times. How do we get 9 x 37 from 7 x 37? We get that by adding 2 times 37 to the 7 times 37 is it not? That is because 7 + 2 = 9. So we have to add 2 x 37 to 7 x 37 to get 9 x 37.

9. A: Suppose both of us have 478 marbles. I divide mine into groups of 5 each. You divide your marbles into groups of 6 each. That means I will have 95 groups of 5 each and you will have 79 groups of six each. Who has more groups? Me! Since both of us have the same number of marbles, and I have fewer marbles in each group than you have, I will have more groups than you. So fewer the number of marbles in each group, the more the number of groups is it not? Smaller the divisor, larger the quotient. In the problems given, the dividend is the same in all the problems, and the divisor is the smallest in option A. So the quotient also will be largest here.

10. C: A number divided by itself gives 1. If you have 9 marbles and divide them into groups of 9, how many groups would you get? Only 1, right? So 9 ÷ 9 = 1. Similarly 493 ÷ 493 = 1.

11. C: 2 + 2 + 2 + 2 + 2 + 2 = 4 + 4 + 4 = 3 times 4 = 4 x 3.

2 + 2 + 2 + 2 + 2 + 2 = 2 x 6 and not 4 x 6.

12. B: Let us write down the options as numbers. Option A is 34 ones, that is 34. Option B is 34 tens, that is 340. Option C is

43 tens, that is 430. Option D is 3 hundreds, that is 300. Now which of 34, 340, 430 and 300 is closest to 341? Clearly

340! We cannot answer this question by comparing the numbers 34, 43, etc in the options with 341. We have to write out each of them as numbers.