NS4-56: Division and Addition

Every **division** statement implies an **addition** statement.

For example, the statement "15 divided into sets of size 3 gives 5 sets" is equivalent to the statement "adding 3 five times gives 15".

3 + 3 + 3 + 3 + 3 = 15

$15 \div 3 = 5$

add this number ↗ ↖ this many times

Hence the division statement $15 \div 3 = 5$ can be read as "add three five times."

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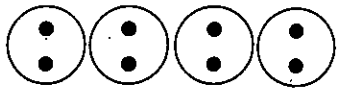
1. Draw a picture and write an addition statement for each division statement, as shown in a).

a) $8 \div 2 = 4$



$2 + 2 + 2 + 2 = 8$

b) $10 \div 5 = 2$

c) $8 \div 4 = 2$

2. Draw a picture and write a division statement for each addition statement.

a) $4 + 4 + 4 = 12$

$12 \div 4 = 3$

b) $7 + 7 + 7 = 21$

c) $6 + 6 + 6 = 18$

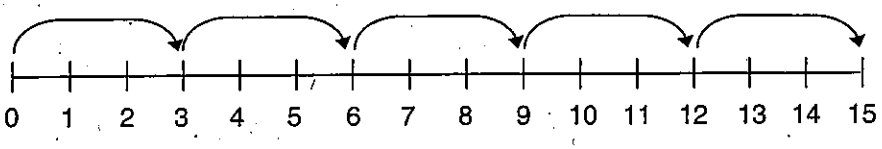
d) $8 + 8 = 16$

e) $3 + 3 + 3 + 3 = 12$

f) $9 + 9 = 18$

NS4-57: Dividing by Skip Counting

1. You can solve the division problem **15 ÷ 3 = ?** by skip counting on the number line.

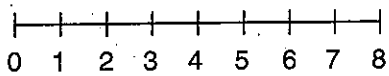


The number line shows that it takes 5 skips of size 3 to get 15:

3 + 3 + 3 + 3 + 3 = 15 so ... **15 ÷ 3 = 5**

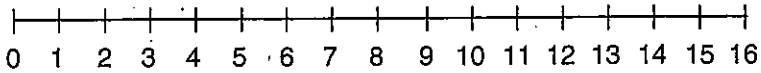
Use the number line to find the answer to the division statement. (Draw arrows to show your skip counting.)

a)



8 ÷ 2 = ____

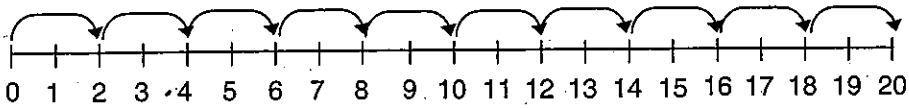
b)



16 ÷ 8 = ____

2. What division statement does the picture represent?

a)



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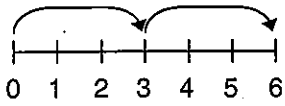
b)



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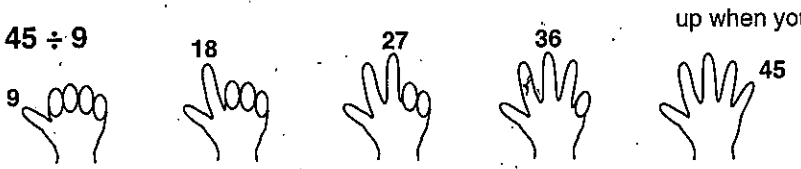
3. You can also find the answer to a division question by skip counting on your fingers.

Example: To find **45 ÷ 9** skip count by 9s until you reach 45

The number of fingers you have up when you stop is the answer.



So 45 ÷ 9 = 5

Find the answers by skip counting on your fingers.

a) 14 ÷ 2 = ____ b) 18 ÷ 6 = ____ c) 24 ÷ 8 = ____ d) 21 ÷ 7 = ____ e) 35 ÷ 5 = ____

f) 45 ÷ 5 = ____ g) 32 ÷ 4 = ____ h) 40 ÷ 5 = ____ i) 24 ÷ 3 = ____ j) 16 ÷ 4 = ____

k) 36 ÷ 9 = ____ l) 28 ÷ 7 = ____ m) 12 ÷ 3 = ____ n) 18 ÷ 3 = ____ o) 35 ÷ 7 = ____

4. Seven friends share 28 tickets to a concert. How many tickets does each friend get?

5. 30 students sit in 6 rows. How many students are in each row?