

7 TIMES-TABLE AND DIVISION FACTS



GET READY



1) $70 + 14 =$
 $42 + 42 =$
 $28 + 28 + 28 =$

2) $28 = \underline{\quad}$ ones
 $280 = \underline{\quad}$ tens
 $2,800 = \underline{\quad}$ hundreds

3) Complete the number track.

6	12		24		36	42			60		72
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1) $70 + 14 = 84$
 $42 + 42 = 84$
 $28 + 28 + 28 = 84$

2) $28 = \underline{28}$ ones
 $280 = \underline{28}$ tens
 $2,800 = \underline{28}$ hundreds

3) Complete the number track.

6	12	18	24	30	36	42	48	54	60	66	72
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LET'S LEARN



Complete the four number sentences
using the number cards



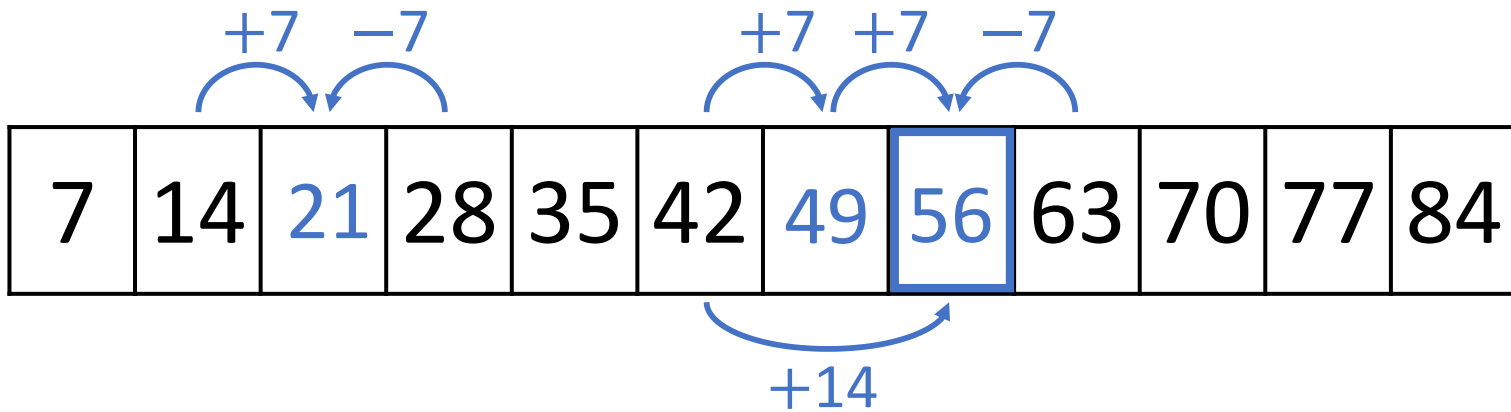
$$\boxed{56} = \boxed{7} \times \boxed{8}$$

$$\boxed{56} = \boxed{8} \times \boxed{7}$$

$$\boxed{56} \div \boxed{7} = \boxed{8}$$

$$\boxed{56} \div \boxed{8} = \boxed{7}$$

Have a think



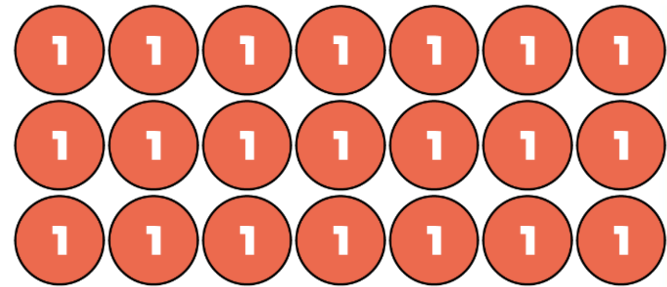
YOUR TURN

Have a go at questions
1 – 5 on the worksheet



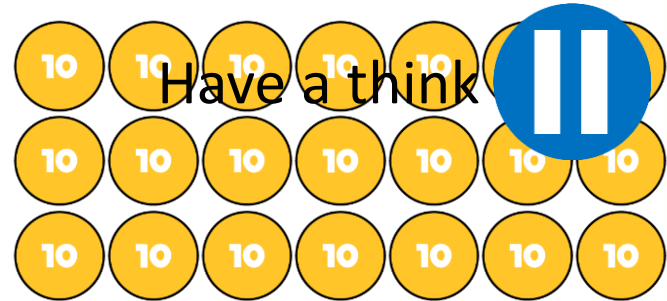
$$7 \times 3 = 21$$

$$7 \text{ ones} \times 3 = 21 \text{ ones}$$



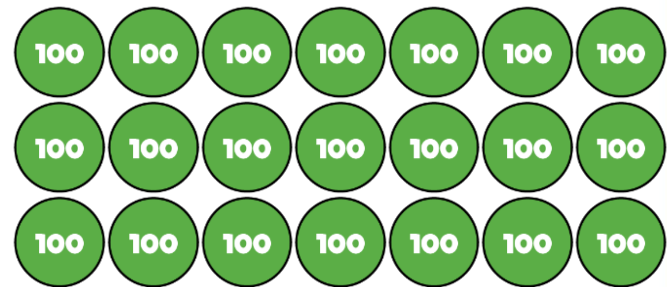
$$70 \times 3 = 210$$

$$7 \text{ tens} \times 3 = 21 \text{ tens}$$



$$700 \times 3 = 2,100$$

$$7 \text{ hundreds} \times 3 = 21 \text{ hundreds}$$



Have a think



$$280 \div 7 = 40$$



$$28 \text{ tens} \div 7 = 4 \text{ tens}$$

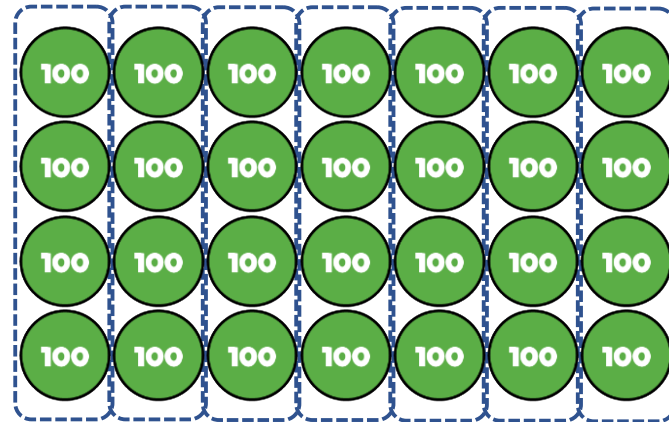
$$2,800 \div 7 = 400$$



$$28 \text{ hundreds} \div 7 = 4 \text{ hundreds}$$

$$28 \div 7 = 4$$

$$28 \text{ ones} \div 7 = 4 \text{ ones}$$



$7 \times 1 = 7$

$7 \times 6 = 42$

$7 \times 2 = 14$

$7 \times 7 = 49$

$7 \times 3 = 21$

$7 \times 8 = 56$

$7 \times 4 = 28$

$7 \times 9 = 63$

$7 \times 5 = 35$

$7 \times 10 = 70$

How could you use these facts to calculate

7×12

7×14

7×16

7×18

+

Have a think



$\times 3$

7×12

$\times 2$

$$\boxed{7 \times 10 = 70} + \boxed{7 \times 4 = 28}$$

\swarrow

$\boxed{7 \times 14}$ \rightarrow $\boxed{7 \times 7 = 49} \times 2$

$$\boxed{7 \times 10 = 70} + \boxed{7 \times 5 = 35} + \boxed{7 \times 1 = 7}$$

\nwarrow

$\boxed{7 \times 16}$ \rightarrow $\boxed{7 \times 8 = 56} \times 2$

\swarrow

Double $\boxed{7 \times 4 = 28}$ then double again

$$\boxed{7 \times 9 = 63} \times 2$$

\nwarrow

$\boxed{7 \times 18}$ \rightarrow $\boxed{7 \times 6 = 42} \times 3$

\swarrow

Double $\boxed{7 \times 10 = 70}$ then subtract $\boxed{7 \times 2 = 14}$

When a group of children are put into teams of 6 there are equal groups.

When the same group of children are put into teams of 7, there is one child not in a team.



There are less than 100 children.

How many children could there be?

Have a think



When the same number of children are put into teams of 6 there are 7 equal groups. One child not in a team.



6	7 → 8
12	14 → 15
18	21 → 22
24	28 → 29
30	35 → 36
36	42
42	49 → 50
48	56
54	63 → 64
60	70
66	77 → 78
72	84
78	91 → 92
84	98
90	
96	

Cannot be an odd number as all multiples of 6 are even

I think the next time this would happen is 120 children. Do you agree?



YOUR TURN

Have a go at the rest of
the worksheet

