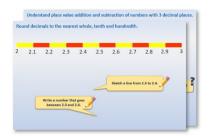
Week 12, Day 2

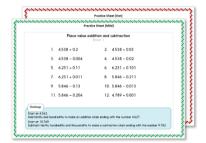
Multiplication and division

Each day covers one maths topic. It should take you about 1 hour or just a little more.

1. Start by reading through the **Learning Reminders**. They come from our *PowerPoint* slides.



Tackle the questions on the Practice Sheet.
 There might be a choice of either Mild (easier) or Hot (harder)!
 Check the answers.

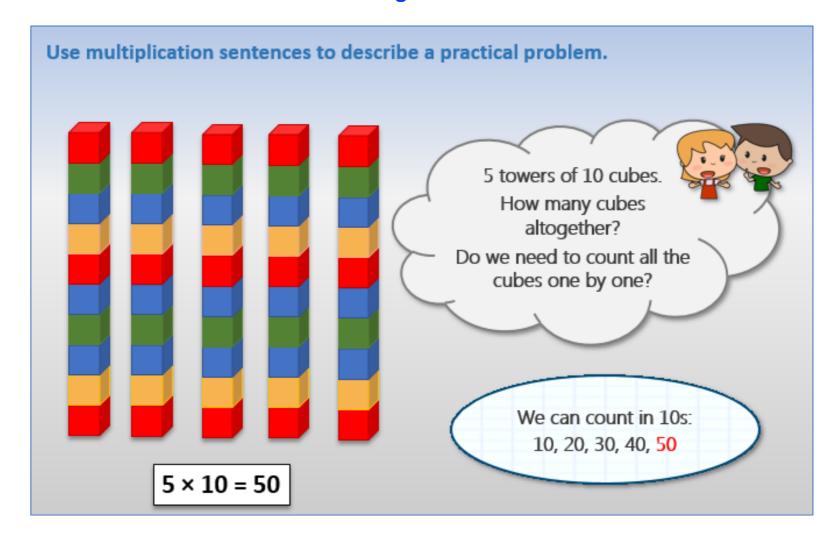


3. Finding it tricky? That's OK... have a go with a grown-up at A Bit Stuck?

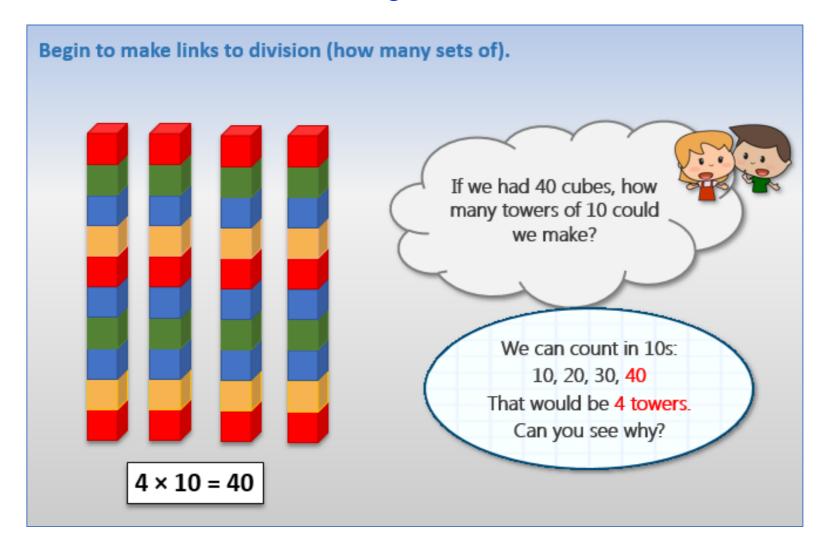


4. Think you've cracked it? Whizzed through the Practice Sheets? Have a go at the **Investigation**...

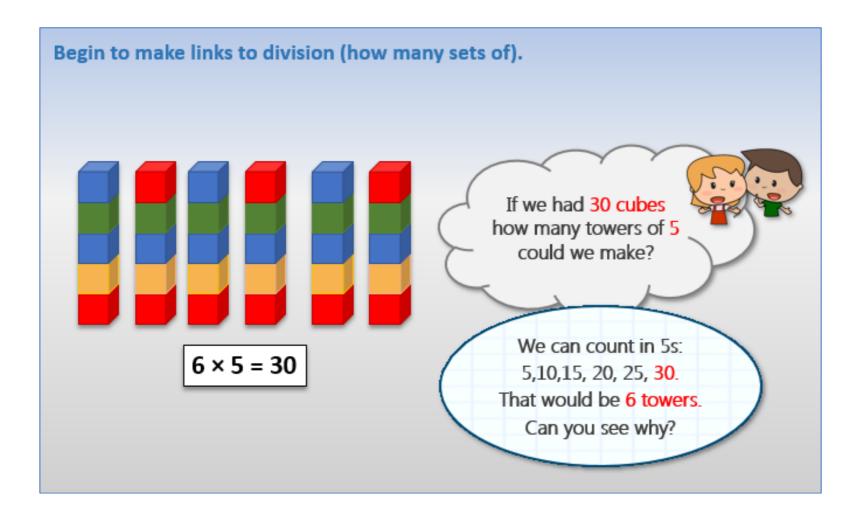
Learning Reminders



Learning Reminders



Learning Reminders



Practice Sheet Mild Solving problems

To make their 'towers' of items, children could also use Lego bricks, counters, beads or pieces of dry pasta to solve the problems.

- 1. How many towers of 5 can I make from 20 cubes?
- 2. How many towers of 2 can I make from 8 cubes?
- 3. How many towers of 10 can I make from 30 cubes?
- 4. How many towers of 5 can I make from 10 cubes?
- 5. How many towers of 2 can I make from 12 cubes?
- 6. How many towers of 5 can I make from 25 cubes?
- 7. How many towers of 5 can I make from 15 cubes?
- 8. How many towers of 10 can I make from 40 cubes?
- 9. How many towers of 5 can I make from 30 cubes?

Practice Sheet Hot Solving problems

To make their 'towers' of items, children could also use Lego bricks, counters, beads or pieces of dry pasta to solve the problems.

- 1. How many towers of 2 can I make from 30 cubes?
- 2. How many towers of 10 can I make from 80 cubes?
- 3. How many towers of 5 can I make from 25 cubes?
- 4. How many towers of 5 can I make from 40 cubes?
- 5. How many towers of 2 can I make from 28 cubes?
- 6. How many towers of 2 can I make from 32 cubes?
- 7. How many towers of 5 can I make from 45 cubes?
- 8. How many towers of 10 can I make from 50 cubes?
- 9. How many towers of 5 can I make from 35 cubes?

Challenge

Marya has 28 cubes.

- 1. How many towers of 2 can she make? How many towers of 5 can she make? How many towers of 10 can she make? Will there be any cubes left over?
- 2. How can she make towers of 2, 5 and 10 so that there are no cubes left over?

Practice Sheets Answers

Solving problems (mild)

- 1. How many towers of 5 can I make from 20 cubes? 4 towers 2 How many towers of 2 can I make from 8 cubes? 4 towers 3. How many towers of 10 can I make from 30 cubes? 3 towers 4. How many towers of 5 can I make from 10 cubes? 2 towers 5. How many towers of 2 can I make from 12 cubes? 6 towers 6. How many towers of 5 can I make from 25 cubes? 5 towers
- 7. How many towers of 5 can I make from 15 cubes? 3 towers
- 8. How many towers of 10 can I make from 40 cubes? 4 towers
- 9. How many towers of 5 can I make from 30 cubes? 6 towers

Solving problems (hot)

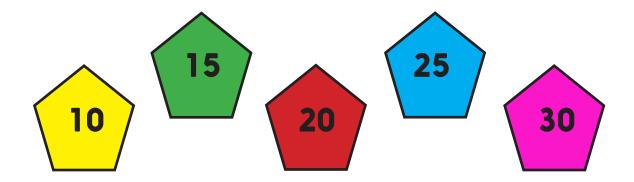
1.	How many towers of 2 can I make from 30 cubes?	15 towers
2.	How many towers of 10 can I make from 80 cubes?	8 towers
3.	How many towers of 5 can I make from 25 cubes?	5 towers
4.	How many towers of 5 can I make from 40 cubes?	8 towers
5.	How many towers of 2 can I make from 28 cubes?	14 towers
6.	How many towers of 2 can I make from 32 cubes?	16 towers
7.	How many towers of 5 can I make from 45 cubes?	9 towers
8.	How many towers of 10 can I make from 50 cubes?	5 towers
9.	How many towers of 5 can I make from 35 cubes?	7 towers

Challenge

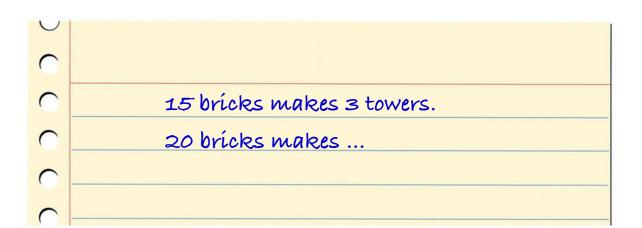
- 1. 14 towers of 2 cubes. 5 towers of 5, with 3 cubes left over. 2 towers of 10, with 8 cubes left over.
- 2. She could make 1 tower of 10 cubes, 2 towers of 5 cubes and 4 towers of 2 cubes.

 $1 \times 10 + 2 \times 5 + 4 \times 2 = 28$

A Bit Stuck? Find fives



- · Choose a number.
- Take this number of Lego[™] bricks.
 Count them really carefully!
- Use them to make towers of five bricks.
- How many towers can you make using all of the bricks?
- Write the number and how many towers you made.



If you don't have LegoTM bricks, then you can use pieces of dry pasta, or counters, or beads to make sets of 5.

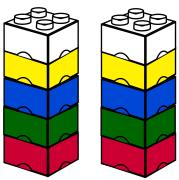
© Hamilton Trust

Explore more Hamilton Trust Learning Materials at https://wrht.org.uk/hamilton

Investigation

Towers

Use 10 Lego[™] bricks to make 2 towers.



$$2 \times 5 = 10$$

40

3

+

%

%

٠/٠

٠١٠

40

3

+

%

Now use the same number of bricks to make towers of 2 bricks.
 How many towers can you make?



%

٠١٠

1/2

'n

٠١٠

%

W₂

Λ

لي

٠١٠

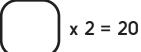
×

1/

٥.



 Now use 20 bricks. How many towers of 2, 5 and 10 can you make?







Now try 30 bricks!

Challenge

What about 40....?

Can you solve this without the bricks?

If you don't have LegoTM bricks, then you can use pieces of dry pasta, or counters, or beads to make sets of 5.

© Hamilton Trust

Explore more Hamilton Trust Learning Materials at https://wrht.org.uk/hamilton