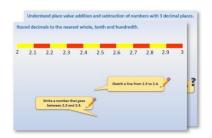
# Week 12, Day 3

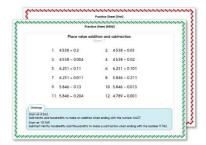
### **Times tables**

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

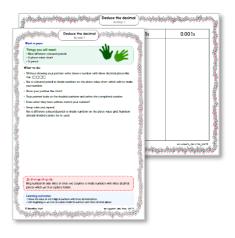
1. Start by reading through the **Learning Reminders**. They come from our *PowerPoint* slides.



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

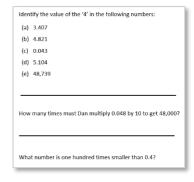


3. Finding it tricky? That's OK... have a go with a grown-up at A Bit Stuck?

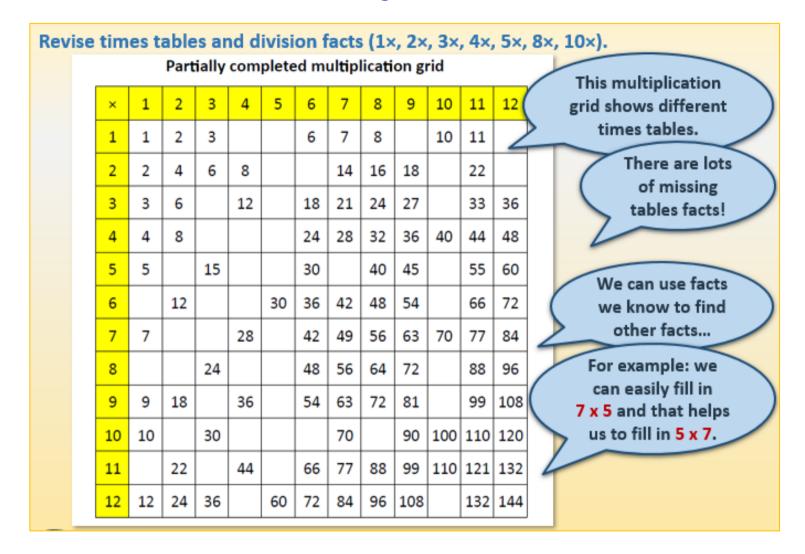


4. Have I mastered the topic? A few questions to Check your understanding.

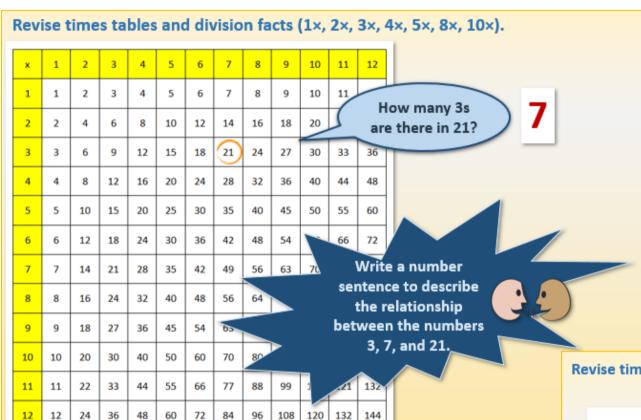
Fold the page to hide the answers!



### **Learning Reminders**



## **Learning Reminders**



Revise times tables and division facts (1×, 2×, 3×, 4×, 5×, 8×, 10×).

$$7 \times 3 = 21$$

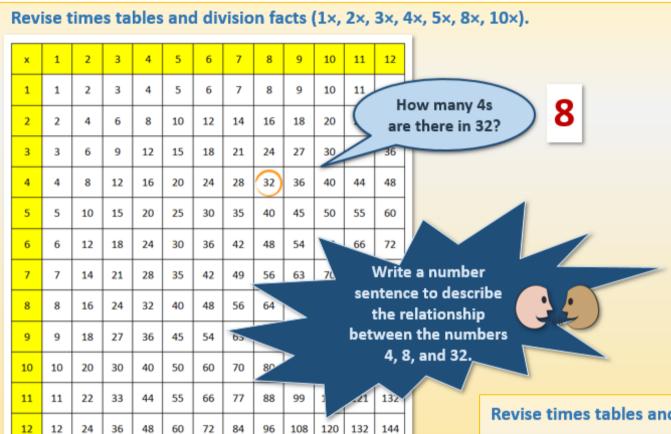
$$21 \div 3 = 7$$

$$3 \times 7 = 21$$

$$21 \div 7 = 3$$

Just knowing one multiplication fact gives us three more facts for free!

## **Learning Reminders**



Revise times tables and division facts (1×, 2×, 3×, 4×, 5×, 8×, 10×).

$$8 \times 4 = 32$$

$$4 \times 8 = 32$$

$$32 \div 4 = 8$$

$$32 \div 8 = 4$$

# Practice Sheet Mild Multiplication grid

Complete the multiplication grid.

X	1	2	3	4	5	6	7	8	9	10
7						6	7		9	
2						12	14		18	
3						18	21		27	
4						24	28		36	
5						30	35		45	
6						36	42		54	
7						42	49		63	
8						48	56		72	
9						54	63		81	
10						60	70		90	

# Practice Sheet Hot Multiplication grid

Fill in the multiplication grid, timing how long it takes. Don't rush! Aim for accuracy... Once complete, check your answers and try to learn any that were incorrect.

X	1	2	3	4	5	6	7	8	9	10
7										
2										
3										
4										
5										
6										
7										
8										
9										
10										

#### Challenge

After a quick break, have a go at completing a second copy of the grid (provided on next page), again timing how long it takes.

Did you improve your time and/or have more correct answers?

# Practice Sheet Hot Multiplication grid

X	1	2	3	4	5	6	7	8	9	10
7										
2										
3										
4										
5										
6										
7										
8										
9										
10										

# **Practice Sheets Answers**

### Multiplication grid (mild)

х	1	2	3	4	5	6	7	8	9	10
1	1	2	3	4	5	6	7	8	9	10
2	2	4	6	8	10	12	14	16	18	20
3	3	6	9	12	15	18	21	24	27	30
4	4	8	12	16	20	24	28	32	36	40
5	5	10	15	20	25	30	35	40	45	50
6	6	12	18	24	30	36	42	48	54	60
7	7	14	21	28	35	42	49	56	63	70
8	8	16	24	32	40	48	56	64	72	80
9	9	18	27	36	45	54	63	72	81	90
10	10	20	30	40	50	60	70	80	90	100

#### Multiplication grid (hot)

X	1	2	3	4	5	6	7	8	9	10
1	1	2	3	4	5	6	7	8	9	10
2	2	4	6	8	10	12	14	16	18	20
3	3	6	9	12	15	18	21	24	27	30
4	4	8	12	16	20	24	28	32	36	40
5	5	10	15	20	25	30	35	40	45	50
6	6	12	18	24	30	36	42	48	54	60
7	7	14	21	28	35	42	49	56	63	70
8	8	16	24	32	40	48	56	64	72	80
9	9	18	27	36	45	54	63	72	81	90
10	10	20	30	40	50	60	70	80	90	100

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# A Bit Stuck? Monster multiplications

#### Work in pairs

#### Things you will need:

- · A set of 1-10 cards
- · A set of monster cards
- A pencil



#### What to do:

- Shuffle the 1-10 cards. Place face down.
- Take the top card. Take that number of monster cards.
- Count in 3s to work out how many shoes are needed for the monsters.
- Write the matching multiplication.
- You can use the hops you have drawn on the 0 to 30 beaded line to help you to count in 3s.
- 0 6 x 3 = 18 4 x 3 =

- Repeat.
- Score 3 points for each correct multiplication you write.
- When you have finished, count in 3s to work out your final score.

#### S-t-r-e-t-c-h:

Write out the 3 times table:

$$1 \times 3 =$$

$$2 \times 3 =$$

$$3 \times 3 =$$

$$4 \times 3 =$$

$$5 \times 3 =$$

$$6 \times 3 =$$

$$7 \times 3 =$$

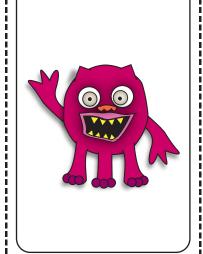
$$8 \times 3 =$$

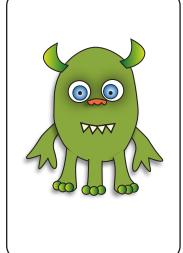
$$10 \times 3 =$$

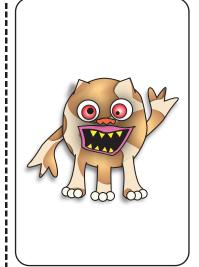
#### Learning outcomes:

- I can use 'clever counting' in 3s.
- · I can write the matching multiplications.
- · I am beginning to know my 3 times table.

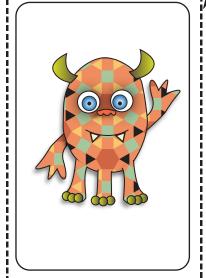
# A Bit Stuck? Monster multiplications







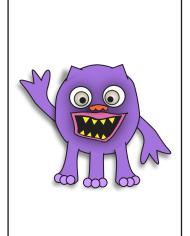






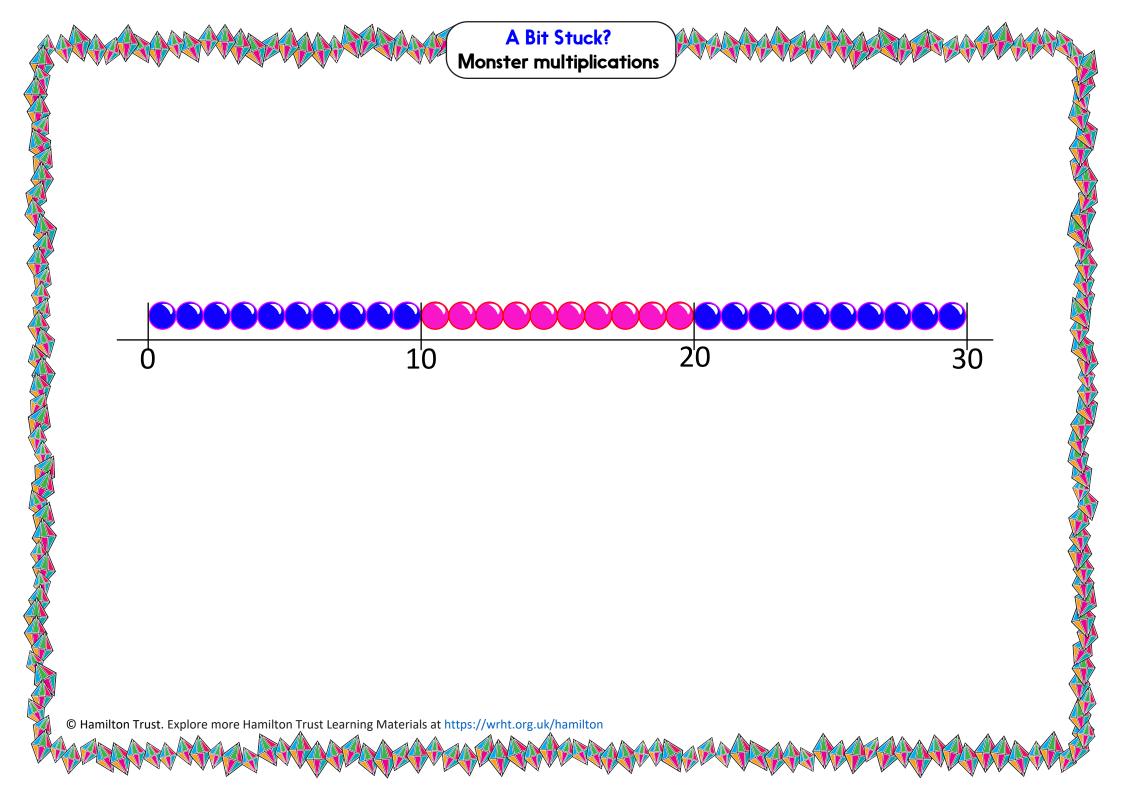








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## Check your understanding Questions

Write the missing numbers:

Write  $8 \times 6 = 48$  in the middle of a space and circle it.

Draw 8 spider legs out from it.

Write 8 related number sentences using this central fact.

Always true, sometimes true or never true?

- 6 x 8 is the same as 4 x 12.
- Dividing a number by 3 gives an odd answer.
- Even numbers divide by 8 to leave no remainder.

Answers on the next page

# Check your understanding Answers

Write the missing numbers.

$$4 \times 8 = 32$$

$$6 \times 8 = 48$$

$$9 = 36 \div 4$$

$$12 \times 4 = 48$$

$$5 = 40 \div 8$$

Check children are applying known times tables facts and are clear how to use them to solve division questions.

Write  $8 \times 6 = 48$  in the middle of a space and circle it.

Draw 8 spider legs out from it.

Write 8 related number sentences using this central fact.

e.g. 
$$6 \times 8 = 48$$
;  $80 \times 6 = 480$ ;  $8 \times 60 = 480$ ;  $800 \times 6 = 4800$ ;  $8 \times 600 = 4800$ ;  $80 \times 60 = 4800$ ;  $48 \div 6 = 8$ ;  $48 \div 8 = 6$ ;  $4 \times 6 = 24$ ;  $6 \times 4 = 24$ ;  $9 \times 6 = 54$ ....

Always true, sometimes true or never true?

- 6 x 8 is the same as 4 x 12. True, both equal 48.
- Dividing a number by 3 gives an odd answer. Sometimes, e.g.  $9 \div 3 = 3$  but  $12 \div 3 = 4$ . (Children should give examples).
- Even numbers divide by 8 to leave no remainder. Sometimes, e.g. multiples of 8 such as 16, 24 or 32; but other even numbers will leave a remainder, e.g. 12, 20, or 22.