

Year 4: Numeracy Day 1 Week 1

Times Tables Starter

Each day, complete your times table starter. Then watch the video lesson, clicking through each round tab then complete the related worksheet.

Starter Times Tables Task: Write out your 7 times table filling in the missing questions and answers.

$0 \times 7 = 0$
$1 \times 7 =$
$4 \times 7 =$
$9 \times 7 =$
$12 \times 7 =$



$$0 \times 7 =$$

$$1 \times 7 =$$

Challenge: Can you write a rule to help you remember the 12 times table?

Main Task: Recognising Decimal Tenths

<https://classroom.thenational.academy/lessons/recognising-decimal-tenths-part-1-ctgkcd>

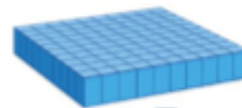
Task 1: Type your answers below and draw the Dienes on paper.

Represent each fraction as a decimal and draw what it is worth in Dienes

1) $\frac{2}{10}$ 4) $\frac{10}{10}$

2) $\frac{6}{10}$ 5) $4\frac{1}{10}$

3) $\frac{3}{10}$ 6) $5\frac{3}{10}$



1

$\frac{1}{10}$

Ones	Tenths	Hundredths
1	.	

Ones	Tenths	Hundredths
0	.	1

Example:

$2\frac{5}{10}$

2.5

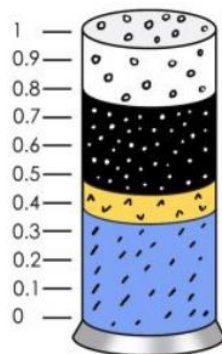


1) 2) 3) 4) 5)

Task 2: Calculate the amount of coloured sand (yellow and blue sand)

Write the amount of coloured sand as a decimal and as a fraction.

a)



= white sand



= black sand



= yellow sand



= blue sand

Year 4: Numeracy Day 2 Week 1

6 Times Tables Starter

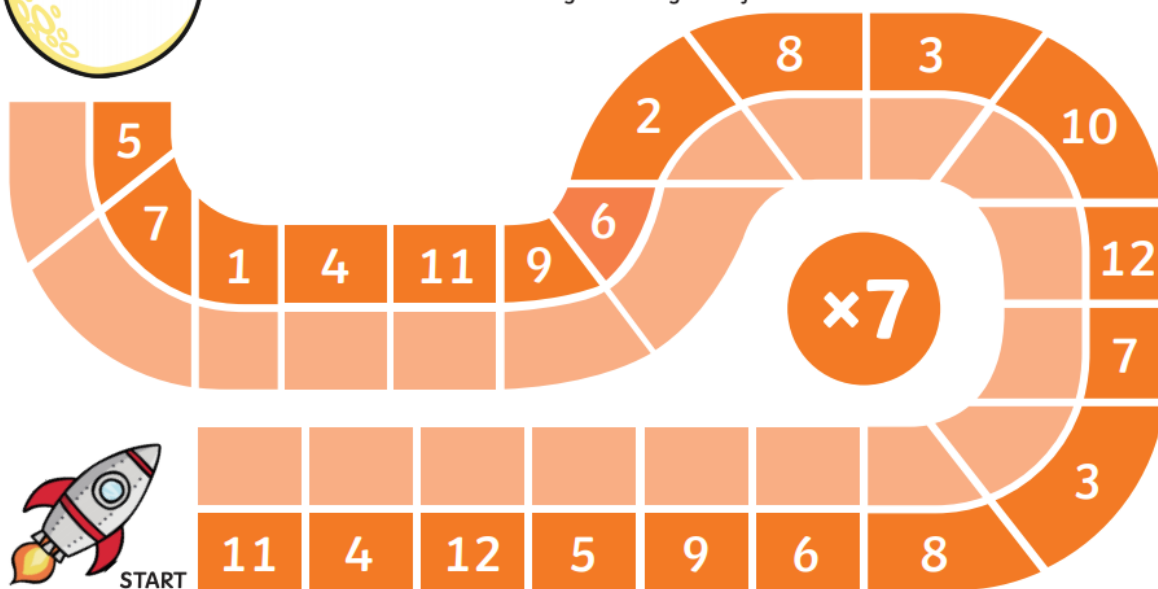
Each day, complete your times table starter. Then watch the video lesson, clicking through each round tab then complete the related worksheet.

Starter Times Tables Task: How quickly can you complete the space race?



7 Times Table Space Race

Multiply the numbers on the track.
 Write them down as you go around.
 Use a timer to see how long it takes you to finish the race!



Main Task: Recognising Decimal Hundredths

<https://classroom.thenational.academy/lessons/recognising-decimal-hundredths-part-1-c4v3ed>

Task 1:

Represent each decimal as a fraction and using Dienes

1) 0.82




4) 0.03

2) 0.23

5) 0.38

3) 0.6

6) 0.49

Tens	Ones	Tenths	Hundredths
			

Example:

0.15  $\frac{15}{100}$

Task 2: Explain the difference between a tenth and a hundredth. You can use a drawing to support your explanation, using what you have covered in the last two lessons.

A tenth is... It can be represented as.... and...

A hundredth is... It can be represented as.... and...

Year 4: Numeracy Day 3 Week 1

Times Tables Starter

Each day, complete your times table starter. Then watch the video lesson, clicking through each round tab then complete the related worksheet.

Starter Times Tables Task:

Work out these answers:

- | | |
|--------------------------|--------------------------|
| a) $2 \times 7 =$ _____ | d) $12 \times 7 =$ _____ |
| b) $10 \times 7 =$ _____ | e) $7 \times 7 =$ _____ |
| c) $5 \times 7 =$ _____ | f) $9 \times 7 =$ _____ |

How many blocks are there?

a)  _____ \times _____ = _____

b)  _____ \times _____ = _____

c)  _____ \times _____ = _____

Main Task: Recognising Common Decimal Equivalents.

<https://classroom.thenational.academy/lessons/recognising-common-decimal-equivalents-6dgk6c>

Task 1: Find the pairs of equivalent fractions which are next to each other in the square below. The first one has been shown for you.

1.3	1.5	$1\frac{1}{2}$	1.2	$1\frac{1}{4}$	2.5	$2\frac{1}{2}$	2.12
$\frac{3}{4}$	$1\frac{1}{4}$	1.75	$\frac{1}{2}$	0.75	$2\frac{1}{4}$	2.2	0.7
1.14	1.4	$1\frac{3}{4}$	1.34	$\frac{3}{4}$	0.7	1.25	$\frac{1}{4}$
1.25	$1\frac{1}{4}$	1.3	0.6	0.3	0.14	$1\frac{1}{4}$	1.4
1	1.1	$1\frac{1}{2}$	1.5	0.2	$\frac{1}{4}$	0.4	$1\frac{3}{4}$
0.2	$\frac{1}{2}$	1.2	$\frac{1}{2}$	0.5	0.25	$3\frac{3}{4}$	1.3
$1\frac{3}{4}$	0.5	0.75	0.2	0.1	3.4	3.75	$\frac{3}{4}$

Pairs found:

Task 2: Look at the coloured square.

- 1) As a decimal, how much of the square is shaded red?
- 2) Which colour makes up 0.25 of the square?
- 3) Which colour is more than 0.5 of the square

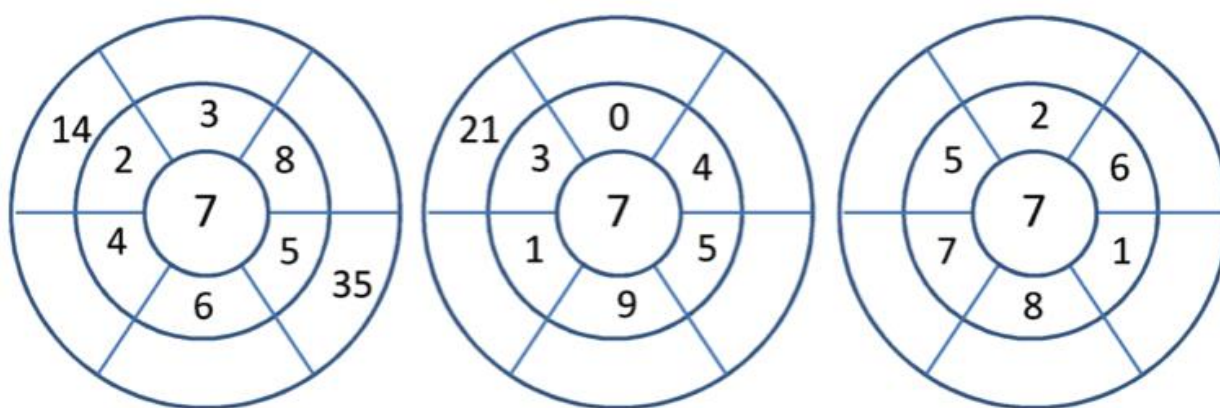


Year 4: Numeracy Day 4 Week 1

Times Tables Starter

Each day, complete your times table starter. Then watch the video lesson, clicking through each round tab then complete the related worksheet.

Starter Times Tables Task:



Example: 1) $7 \times 3 = 21$, $7 \times 8 = \dots$

Main Task: Multiplying and dividing by 10 (part 1)

<https://classroom.thenational.academy/lessons/multiplying-and-dividing-by-10-part-1-74rk6t>

Task 1: Use the chart to make up 5 sets of instructions.

Example: I start with 3. I add 2. I multiply by 10. I add 30. I divide by 10. I subtract 1. I divide by 10. I subtract 0.1 - what number have I landed on?

Rules: You can use addition, subtraction and multiplication/division by 10. Through your instructions, move up/down and left/right only

Thousands	1000	2000	3000	4000	5000	6000	7000	8000	9000
Hundreds	100	200	300	400	500	600	700	800	900
Tens	10	20	30	40	50	60	70	80	90
Ones	1	2	3	4	5	6	7	8	9
Tenths	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
Hundredths	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09

1)

2)

3)

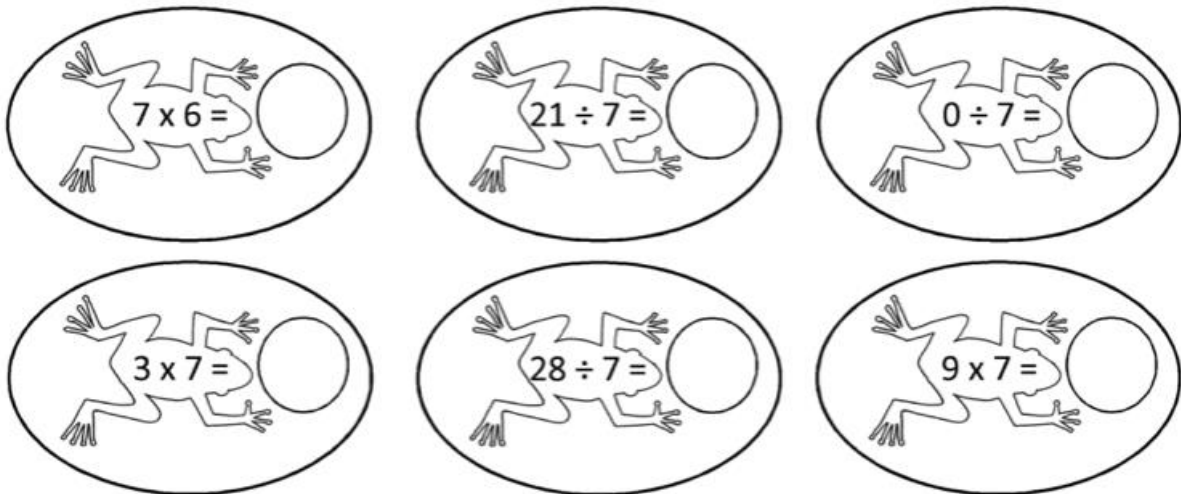
4)

Challenge: Explain in your own words what happens when you multiply and divide a number by 10. Remember to include examples.

Year 4: Numeracy Day 5 Week 1
Times Tables Starter

Each day, complete your times table starter. Then watch the video lesson, clicking through each round tab then complete the related worksheet.

Starter Times Tables Task:



Main Task: Multiplying and dividing by 10 (part 2)

<https://classroom.thenational.academy/lessons/multiplying-and-dividing-by-10-part-2-70v30r>

Task 1: Complete the chart using the patterns you spot within the chart.

		3800						
		380					880	
		38				78	88	
						7.8		
							0.88	

Task 2: Make sure you include place value in your answers.

1. What happens to the numbers as you move each box up the chart?
2. What happens to the numbers as you move each box down the chart?
3. What happens to the numbers as you move across the chart (to the left)?

Extension Question: What would be the next row on each side of the chart?

Challenge: Can you create your own chart and set of instructions for someone else to complete?