

Choose from A, B or C. If you want to complete more than one, you can!

A Circle the multiples of the number given.

1) Multiples of 6

54	25	18	42	72	33
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2) Multiples of 9

57	72	27	38	81	90
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3) Multiples of 8

48	16	38	63	96	64
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4) Multiples of 12

78	24	84	36	60	54
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5) Multiples of 4

8	34	20	44	18	24
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Circle the odd one out. Explain your answer.

B

10	45	20	34	25
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is the odd one out because

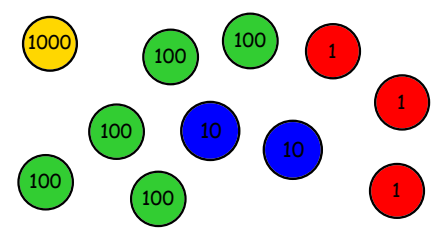
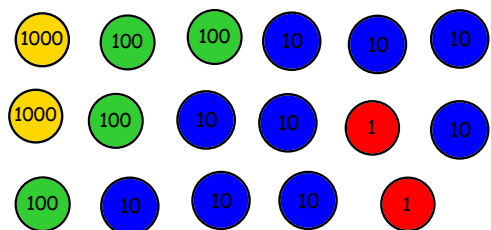
C

64	24	12	48	32
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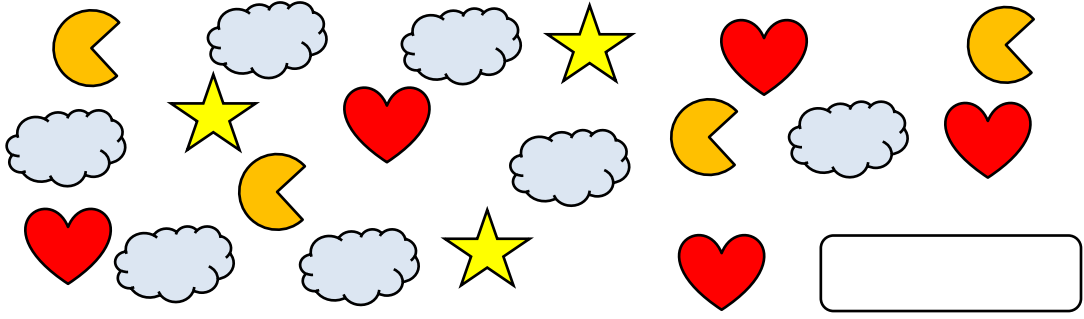
To help you keep your times tables sharp, remember to regularly practise on Times Tables Rock Stars. Look out for battles and help your team win!

A Complete this table, using your knowledge of partitioning.

Number	Words	Expanded form	Picture
1523	1 thousands 5 hundreds 2 tens 3 ones	$1000 + 500 + 20 + 3$ = _____	
	4 thousands 2 hundreds 6 tens 1 ones	$4000 + 200 + 60 + 1$ = _____	
3782	___ thousands ___ hundreds ___ tens ___ ones	____ + ____ + ____ + ____ = _____	
	___ thousands ___ hundreds ___ tens ___ ones	____ + ____ + ____ + ____ = _____	
6028	___ thousands ___ hundreds ___ tens ___ ones	____ + ____ + ____ + ____ = _____	
	___ thousands ___ hundreds ___ tens ___ ones	$5000 + 300 + 70 + 7$ = _____	
	2 thousands 0 hundreds 9 tens 0 ones	____ + ____ + ____ + ____ = _____	

B Use the key to find the number shown here.

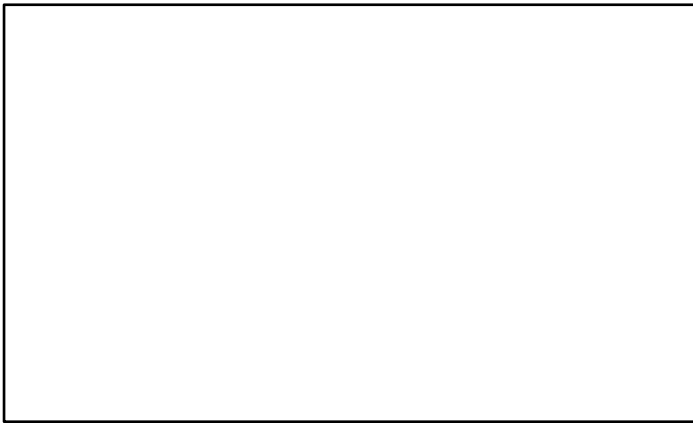
	1000
	100
	10
	1



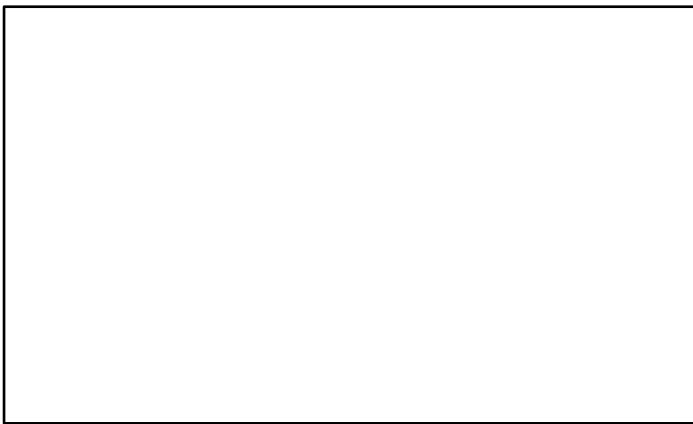
C Create your own key, using a shape for each number. Draw your own numbers, using it.

	thousand (1000)
	ten (10)

	hundred (100)
	one (1)



There are _____ thousands,
 _____ hundreds, _____ tens
 and _____ ones.
 The number shown is _____.
 _____ + _____ + _____ + _____



There are _____ thousands,
 _____ hundreds, _____ tens
 and _____ ones.
 The number shown is _____.
 _____ + _____ + _____ + _____



There are _____ thousands,
 _____ hundreds, _____ tens
 and _____ ones.
 The number shown is _____.
 _____ + _____ + _____ + _____

Place Value:

Website to support your learning:

<https://www.bbc.co.uk/bitesize/topics/zsjqtfr/articles/z9w3g82>

<https://www.topmarks.co.uk/learning-to-count/place-value-basketball>

Websites to extend your learning:

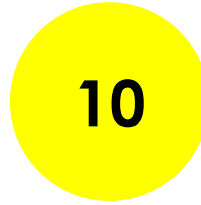
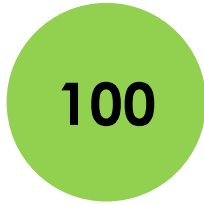
<https://www.bbc.co.uk/games/embed/guardians-mathematica>

Use your knowledge of partitioning numbers and have a go at this challenge.

How many ways?

You have a pile of 100 coins and a pile of 10 coins.

Make 230



A

I can find a way

B

I can find different ways

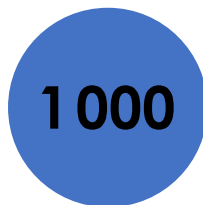
C

I know how many ways there are

How many ways?

You have a pile of 1000 coins and a pile of 100 coins.

Make 4100



A

I can find a way

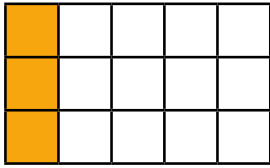
B

I can find different ways

C

I know how many ways there are

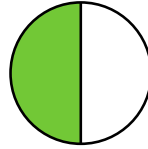
Match the equivalent fractions.



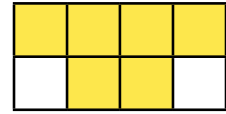
$$\frac{3}{4}$$



$$\frac{5}{10}$$

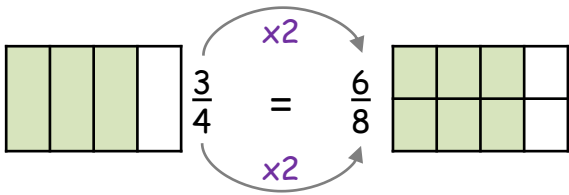


$$\frac{1}{5}$$



$$\frac{6}{9}$$

Use this method to find equivalent fractions.



- multiply the numerators (top numbers) and the denominators (bottom numbers) by the same number

What you do to the top, you do to the bottom!

Websites to support your learning:

<https://www.youtube.com/watch?v=qcHHhd6HizI>
<https://www.youtube.com/watch?v=TLGw53eDTe0>

A

Complete these statements so they are correct using the method shown above.

$$\frac{1}{5} = \frac{\quad}{10}$$

$$\frac{1}{\quad} = \frac{4}{20}$$

$$\frac{1}{5} = \frac{8}{\quad}$$

$$\frac{\quad}{5} = \frac{4}{10}$$

$$\frac{4}{10} = \frac{\quad}{20}$$

$$\frac{\quad}{40} = \frac{4}{10}$$

B

Find a path through the maze using your knowledge of equivalent fractions. Start with $\frac{1}{3}$. You can move up, down, left, right and diagonally.

Start	$\frac{1}{3}$	$\frac{8}{15}$	$\frac{3}{57}$	$\frac{3}{7}$	$\frac{12}{16}$	$\frac{5}{9}$
$\frac{10}{20}$	$\frac{2}{4}$	$\frac{2}{6}$	$\frac{6}{18}$	$\frac{12}{36}$	$\frac{24}{72}$	$\frac{4}{5}$
$\frac{7}{8}$	$\frac{11}{28}$	$\frac{1}{9}$	$\frac{3}{10}$	$\frac{10}{100}$	$\frac{46}{126}$	$\frac{48}{144}$
$\frac{50}{100}$	$\frac{13}{20}$	$\frac{6}{12}$	$\frac{1}{8}$	$\frac{3}{5}$	$\frac{96}{157}$	Finish

B

Look at these fractions. Which is the odd one out? Explain your answer.

A $\frac{1}{4}$

B $\frac{4}{8}$

C $\frac{5}{20}$

D $\frac{3}{12}$

C

Explore these equivalent fraction number sequences. Predict what comes next and explain the pattern.

a) $\frac{1}{4} = \frac{2}{8} = \frac{4}{16} = \square$

b) $\frac{1}{5} = \frac{10}{50} = \frac{100}{500} = \square$

c) $\frac{1}{2} = \frac{2}{4} = \frac{6}{12} = \frac{24}{48} = \square$

d) Create your own equivalent fraction number sequence. Explain the pattern you have used.

Websites to extend your learning:

<http://www.scottle.edu.au/ec/viewing/L155/L155/index.html#>

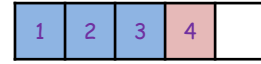
<https://www.topmarks.co.uk/Flash.aspx?a=activity06>

Websites to support your learning:

<https://www.bbc.co.uk/bitesize/topics/zhdwxnb/articles/z9n4k7h>

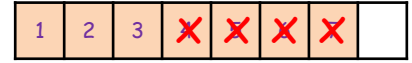
When adding, the denominator stays the same. Just add the numerators.

$$\frac{3}{5} + \frac{1}{5} = \frac{4}{5}$$



When adding, the denominator stays the same. Just add the numerators.

$$\frac{7}{8} - \frac{4}{8} = \frac{3}{8}$$



A Find the answers to these calculations.

$$\frac{3}{6} + \frac{1}{6} = \square$$



$$\frac{6}{7} - \frac{3}{7} = \square$$



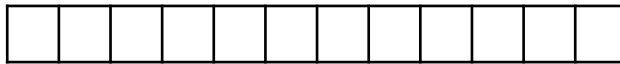
$$\frac{3}{8} + \frac{7}{8} = \square$$



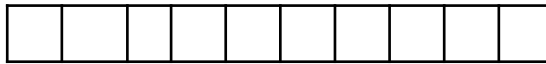
$$\frac{9}{10} - \frac{5}{10} = \square$$



$$\frac{3}{12} + \frac{6}{12} + \frac{2}{12} = \square$$



$$\frac{5}{10} + \frac{4}{10} + \frac{3}{10} = \square$$



$$\frac{3}{5} + \frac{4}{5} = \square$$

$$\frac{5}{4} + \frac{2}{4} + \frac{7}{4} = \square$$

$$\frac{7}{11} - \frac{3}{11} = \square$$

$$\frac{15}{10} - \frac{3}{10} - \frac{4}{10} = \square$$

B Complete these calculations so they are correct.

$$\frac{3}{12} + \square = \frac{9}{12}$$

$$\square + \frac{4}{13} = \frac{7}{13}$$

$$\square - \frac{6}{11} = \frac{5}{11}$$

$$\frac{13}{10} - \square = \frac{4}{10}$$

C

Complete these calculations so they are correct.

$$\square + \square = \frac{5}{6}$$

$$\square + \square = \frac{8}{9}$$

$$\square - \square = \frac{4}{14}$$

$$\square - \square = \frac{8}{16}$$

$$\square + \square = \frac{13}{6}$$

$$\square + \square = 1\frac{4}{5}$$

$$\square - \square = \frac{6}{17}$$

$$\square - \square = 2\frac{1}{3}$$

$$\square + \square + \square = \frac{14}{15}$$

$$\square - \square - \square = \frac{2}{12}$$

Websites to extend your learning:

[http://www.sheppardsoftware.com/mathgames/fractions/FruitShootFractionsAddition.
htm](http://www.sheppardsoftware.com/mathgames/fractions/FruitShootFractionsAddition.htm)

https://www.abcya.com/games/adding_fractions