1. Complete the table below:

Decimal	Fraction as a tenth or hundredth	Fraction in its simplest form
0.6		$\frac{3}{5}$
0.9		
	$\frac{50}{100}$ or $\frac{5}{10}$	$\frac{1}{2}$
	$\frac{100}{100}$ or $\frac{1}{1}$	

2.

Which of these people has converted their fraction correctly? Prove it.

Lily

$\frac{2}{6} = 0.33$

Alex

$\frac{3}{8} = 3.75$

Nathan

$\frac{3}{12} = 0.25$

Oliver

$\frac{6}{8} = 0.72$

3. True or False? Correct any statements that are false.

a. $\frac{7}{10} = 0.70$

b. If a fraction has 50 as its denominator, we can double the numerator and denominator to make it easier to convert into a decimal.

c. $\frac{4}{20} = 0.4$

d. $\frac{80}{100} = 0.08$

e. It is impossible to convert $\frac{350}{500}$ into a decimal.

Chinese New Year (21 January - 20 February)

Chinese New Year always falls sometime between 21 January and 20 February. The exact date changes depending on when the new moon appears within these dates. This type of calendar is called a lunar calendar. Legend says that every New Year's Eve, a monster named Nian would terrorize villages. Most people would hide in their homes when he came. One day, a boy decided to fight and scared Nian off using firecrackers. To this day, firecrackers are still used to celebrate.

Solve each question below. Then use the key to find the answer to the joke. Letters can be used more than once.

1. 340 ÷ 1,000 =

2. 22.53 ÷ 3 =

3. 0.025 x 100 =

4. 4.3 x 5 =

5. 0.2 ÷ 100 =

Did you know?

Each Chinese Year is linked to an animal. 2020, for example, is the year of the rat.

6. 2.013 x 1,000 =

7. What is $\frac{3}{8}$ as a decimal?

8. 25 ÷ 10 =

9. What is $\frac{3}{5}$ as a decimal?

10. 420.3 ÷ 100 =

11. 2.38 ÷ 7 =

12. 3.755 x 2 =

13. Round 3.77 to the nearest tenth.

14. What is the value of 2 in 71.902?

15. 7.27 x 6 =

16. 9.733 x 100 =

17. What is $2\frac{5}{10}$ as a decimal?

18. 15.2 ÷ 4 =

A	B	C	D	E	F	G	H	I	J	K	L	M
43.62	2.14	0.002	0.01	2.5	42.3	3.7	7.51	4.203	2.6	0.02	973.3	0.375
N	**O**	**P**	**Q**	**R**	**S**	**T**	**U**	**V**	**W**	**X**	**Y**	**Z**
3.4	2,013	4.3	23.6	2.36	3.8	0.34	7.5	0.25	0.6	3.70	21.5	0.034

Why is it easy to work out the weight of a dragon?

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18