

Monday

I can multiply and divide by 10 and 100

Mild

$16 \times 10 =$

$41 \times 10 =$

$37 \times 100 =$

$12 \times 100 =$

$340 \div 10 =$

$520 \div 10 =$

$700 \div 100 =$

$800 \div 100 =$

$17 \div 10 =$

$672 \div 100 =$

Spicy

34×10

34×100

3.4×10

3.4×100

$650 \div 10$

$650 \div 100$

$72 \div 10$

$7 \div 10$

$800 \div 100$

$80 \div 100$

$4.5 \times \square = 45$

$4.5 \times \square = 450$

$270 \div \square = 2.7$

$270 \div \square = 27$

Hot

$$4 \times 10 \times 10 = 4 \times \boxed{}$$

$$65 \times 100 \div 10 = 65 \times \boxed{}$$

$$280 \div 10 \div 10 = 280 \div \boxed{}$$

$$760 \div 100 \times 10 = 760 \div \boxed{}$$

$$4.5 \times \boxed{} = 4.5 \times 10 \times 10$$

$$3.7 \times \boxed{} \div 10 = 3.7 \times 10$$

$$600 \div \boxed{} \div 10 = 6 \div 10$$

$$0.7 \times 100 \div \boxed{} = 0.7 \times 10$$

Challenge

$$3.6 \times \boxed{} \times \boxed{} = 360$$

$$940 \div \boxed{} \div \boxed{} = 9.4$$

$$72 \times \boxed{} \div \boxed{} = 7.2$$

Tuesday

I can multiply and divide by 10 and 100

Mild

$$4 \times 100 =$$

$$75 \times 10 =$$

$$21 \times 1000 =$$

$$100 \times 33 =$$

$$60 \times 10 =$$

$$2400 \div 100 =$$

$$68 \div 10 =$$

$$350 \div 1000 =$$

$$9 \div 10 =$$

$$9 \div 1000 =$$

Spicy

$$15 \times 10 \div 100$$

$$6 \div 100 \times 1000$$

$$6 \div \underline{\hspace{2cm}} = 0.6$$

$$\underline{\hspace{2cm}} \times 100 = 4500$$

$$0.74 = 74 \div \underline{\hspace{2cm}}$$

$$1000 \times \underline{\hspace{2cm}} = 65800$$

$$3.7 \times \underline{\hspace{2cm}} = 370$$

$$2800 - \underline{\hspace{2cm}} = 2.8$$

$$0.03 \times \underline{\hspace{2cm}} = 3$$

Hot

1

Put these calculations in order from smallest to biggest.

$$100 \times 540$$

$$5.4 \times 1000$$

$$5400 \div 10$$

$$5400 \div 1000$$

$$540 \div 10$$

2

By using a number from column A, an operation from B and a number from C, how many ways can you find to make 70?

A	B	C
7	\times	1
70		10
700	\div	100
7000		1000

3

Can you find a path from 6 to 0.06?

You are not allowed to make diagonal moves.

6	$\times 10$	$\times 10$	$\div 100$
$\div 10$	$\times 100$	$\times 100$	$\div 10$
$\times 10$	$\div 10$	$\div 1000$	$\div 100$
$\div 1000$	$\times 1000$	$\times 100$	0.06

Challenge:

Who is correct?

Dora

5 hundredths is equivalent to 50 tenths.



50 hundredths is equivalent to 5 tenths.

Amir

Explain why.

Wednesday

I can multiply and divide by 10, 100 and 1000

Mild

Reasoning – Multiplying and Dividing by 10, 100 and 1000

Here are four cards.

Use a card to complete each calculation. You can use a card more than once.

x 100

÷ 10

x 10

÷ 100

$$27 \square = 270$$

$$9 \square = 0.9$$

$$12 \square = 1200$$

$$27 \square = 2.7$$

$$9 \square = 900$$

$$12 \square = 1.2$$

$$27 \square = 2700$$

$$9 \square = 90$$

$$12 \square = 120$$

Spicy

Reasoning – Multiplying and Dividing by 10, 100 and 1000

Here are six cards.

Use a card to complete each calculation. You can use a card more than once.

x 10

x 100

x 1000

÷ 10

÷ 100

÷ 1000

$$6.2 \square = 0.62$$

$$18 \square = 180$$

$$47 \square = 4.7$$

$$6.2 \square = 620$$

$$18 \square = 0.18$$

$$47 \square = 0.47$$

$$6.2 \square = 0.062$$

$$18 \square = 1.8$$

$$47 \square = 47000$$

Hot

Reasoning – Multiplying and Dividing by 10, 100 and 1000

Here are six cards.

Use a card to complete each calculation. You can use a card more than once.

$\times 10$

$\times 100$

$\times 1000$

$\div 10$

$\div 100$

$\div 1000$

$$16.8 \times \boxed{} = 168$$

$$637 \times \boxed{} = 0.637$$

$$4.84 \times \boxed{} = 484$$

$$16.8 \times \boxed{} = 0.168$$

$$637 \times \boxed{} = 63,700$$

$$4.84 \times \boxed{} = 4840$$

$$16.8 \times \boxed{} = 1680$$

$$637 \times \boxed{} = 6.37$$

$$4.84 \times \boxed{} = 48.4$$

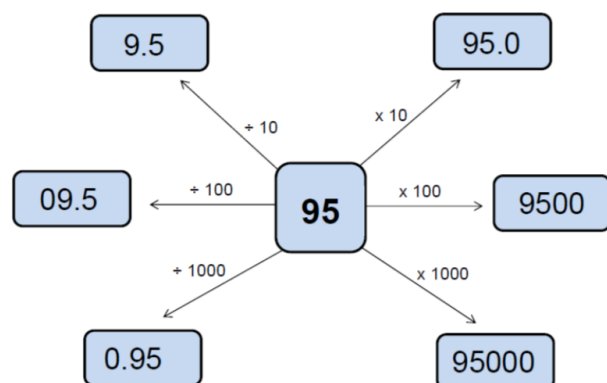
Extension

$$7 \times 10 \times 10 \times \star \times 10 = 21,000$$

$$\star \times 100 \times \blacktriangle = 30,000$$

$$\blacksquare \times \star \div \blacktriangle = 3.6$$

What do the symbols represent?

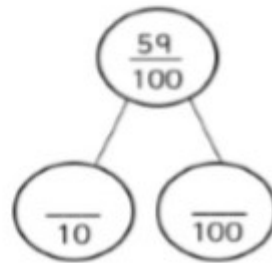
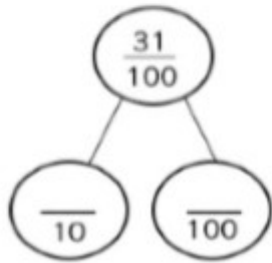
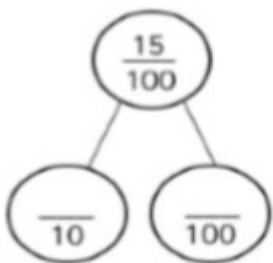
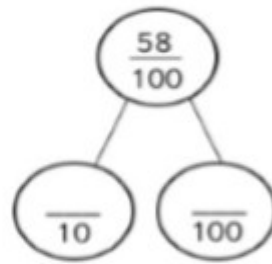
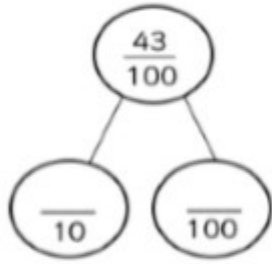
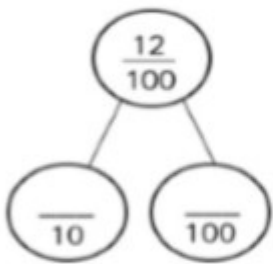
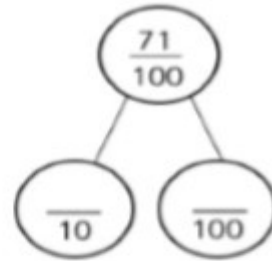
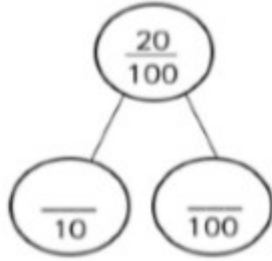
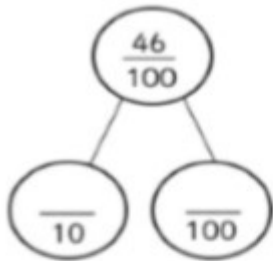


Which calculations are correct?
Which are incorrect? Explain why.

Thursday I can recognise hundredths

Mild

Partition these fractions into tenths and hundredths



Arrange all the digits to make a 3-digit number with 2-decimal places that meets the given criteria.

1. Between 4.6 and 4.7:
7, 4, 6

--	--	--

O . t h

2. Between 3.8 and 4:
2, 3, 9

--	--	--

O . t h

3. Between 8.9 and 9.1:
0, 3, 9

--	--	--

O . t h

4. Between 7.3 and 7.5:
4, 7, 5

--	--	--

O . t h

5. Between 6.2 and 6.4:
1, 3, 6

--	--	--

O . t h

6. Between 1.7 and 1.9:
8, 1, 9

--	--	--

O . t h

7. Between 8.6 and 8.8:
7, 8, 4

--	--	--

O . t h

8. Between 2.3 and 2.5:
6, 2, 4

--	--	--

O . t h

9. Between 5 and 5.1:
8, 0, 5

--	--	--

O . t h

10. Arrange the following digits to make the largest possible 3-digit number with 2-decimal places: **7, 4, 8**

--	--	--

T O . t

11. Use the same digits to make the smallest 3-digit number with 2-decimal places.

--	--	--

T O . t

Arrange all the digits to make a 4-digit number with 2-decimal places that meets the given criteria.

1. Between 23 and 25:

6, 9, 4, 2

--	--	--	--

T O . t h

2. Between 29 and 31:

1, 0, 3, 5

--	--	--	--

T O . t h

3. Between 52 and 54:

3, 7, 5, 8

--	--	--	--

T O . t h

4. Between 15 and 17:

2, 6, 1, 3

--	--	--	--

T O . t h

5. Between 97 and 99:

8, 0, 4, 9

--	--	--	--

T O . t h

6. Between 61 and 63:

5, 3, 6, 2

--	--	--	--

T O . t h

7. Between 43 and 45:

7, 4, 5, 4

--	--	--	--

T O . t h

8. Between 71 and 73:

2, 7, 7, 4

--	--	--	--

T O . t h

9. Between 81 and 83:

9, 8, 2, 8

--	--	--	--

T O . t h

10. How many 4-digit numbers with 2-decimal places can you make using the following digits: **7, 5, 0, 3**

11. Arrange the following digits to make the largest 4-digit number with 2-decimal places possible: **3, 2, 8, 1**

--	--	--	--

T O . t h

12. Use the same digits to make the smallest 4-digit number with 2-decimal places.

--	--	--	--

T O . t h

Friday

I can convert fractions to decimals

Mild

Convert the following fractions to their equivalent decimals. The first one has been done for you.

1. $\frac{76}{100} = 0.76$

10. $\frac{70}{100} = \underline{\hspace{2cm}}$

2. $\frac{49}{100} = \underline{\hspace{2cm}}$

11. $\frac{44}{100} = \underline{\hspace{2cm}}$

3. $\frac{20}{100} = \underline{\hspace{2cm}}$

12. $\frac{90}{100} = \underline{\hspace{2cm}}$

4. $\frac{80}{100} = \underline{\hspace{2cm}}$

13. $\frac{42}{100} = \underline{\hspace{2cm}}$

5. $\frac{66}{100} = \underline{\hspace{2cm}}$

14. $\frac{21}{100} = \underline{\hspace{2cm}}$

6. $\frac{14}{100} = \underline{\hspace{2cm}}$

15. $\frac{65}{100} = \underline{\hspace{2cm}}$

7. $\frac{84}{100} = \underline{\hspace{2cm}}$

16. $\frac{76}{100} = \underline{\hspace{2cm}}$

8. $\frac{16}{100} = \underline{\hspace{2cm}}$

17. $\frac{81}{100} = \underline{\hspace{2cm}}$

9. $\frac{30}{100} = \underline{\hspace{2cm}}$

18. $\frac{25}{100} = \underline{\hspace{2cm}}$

Spicy

Convert the following fractions to their equivalent decimals. The first one has been done for you.

1. $\frac{8}{100} = 0.08$

2. $\frac{40}{100} = \underline{\hspace{2cm}}$

3. $\frac{29}{100} = \underline{\hspace{2cm}}$

4. $\frac{45}{100} = \underline{\hspace{2cm}}$

5. $\frac{20}{100} = \underline{\hspace{2cm}}$

6. $\frac{7}{100} = \underline{\hspace{2cm}}$

7. $\frac{99}{100} = \underline{\hspace{2cm}}$

8. $\frac{33}{100} = \underline{\hspace{2cm}}$

9. $\frac{50}{100} = \underline{\hspace{2cm}}$

10. $\frac{70}{100} = \underline{\hspace{2cm}}$

11. $\frac{24}{100} = \underline{\hspace{2cm}}$

12. $\frac{48}{100} = \underline{\hspace{2cm}}$

13. $\frac{9}{100} = \underline{\hspace{2cm}}$

14. $\frac{65}{100} = \underline{\hspace{2cm}}$

15. $\frac{22}{100} = \underline{\hspace{2cm}}$

16. $\frac{69}{100} = \underline{\hspace{2cm}}$

17. $\frac{76}{100} = \underline{\hspace{2cm}}$

18. $\frac{82}{100} = \underline{\hspace{2cm}}$

19. $\frac{25}{100} = \underline{\hspace{2cm}}$

20. $\frac{65}{100} = \underline{\hspace{2cm}}$

Hot

Convert the following fractions to their equivalent decimals. The first one has been done for you.

1. $\frac{160}{100} = 1.6$

2. $\frac{60}{100} = \underline{\hspace{2cm}}$

3. $\frac{43}{100} = \underline{\hspace{2cm}}$

4. $\frac{73}{100} = \underline{\hspace{2cm}}$

5. $\frac{129}{100} = \underline{\hspace{2cm}}$

6. $\frac{7}{100} = \underline{\hspace{2cm}}$

7. $\frac{99}{100} = \underline{\hspace{2cm}}$

8. $\frac{2}{10} = \underline{\hspace{2cm}}$

9. $\frac{5}{50} = \underline{\hspace{2cm}}$

10. $\frac{70}{100} = \underline{\hspace{2cm}}$

11. $\frac{124}{100} = \underline{\hspace{2cm}}$

12. $\frac{48}{100} = \underline{\hspace{2cm}}$

13. $\frac{9}{100} = \underline{\hspace{2cm}}$

14. $\frac{165}{100} = \underline{\hspace{2cm}}$

15. $\frac{22}{50} = \underline{\hspace{2cm}}$

16. $\frac{69}{100} = \underline{\hspace{2cm}}$

17. $\frac{176}{100} = \underline{\hspace{2cm}}$

18. $\frac{23}{100} = \underline{\hspace{2cm}}$

19. $\frac{5}{10} = \underline{\hspace{2cm}}$

20. $\frac{65}{100} = \underline{\hspace{2cm}}$