

0.1 x 3 =

0.2 x 3 =

$$0.3 \times 3 =$$

Vocabulary

Thousands	Hundreds	Tens	Ones	Tenths

Place three counters on the grid. How many different numbers can you make?

Place value

Represents

**Decimal** 



**STEM sentence:** 

The number is





Worth



Vocabulary

Thousands	Hundreds	Tens	Ones	Tenths	Tenths

Place three counters on the grid. How many different numbers can you make?

Place value

Represents

**Decimal** 



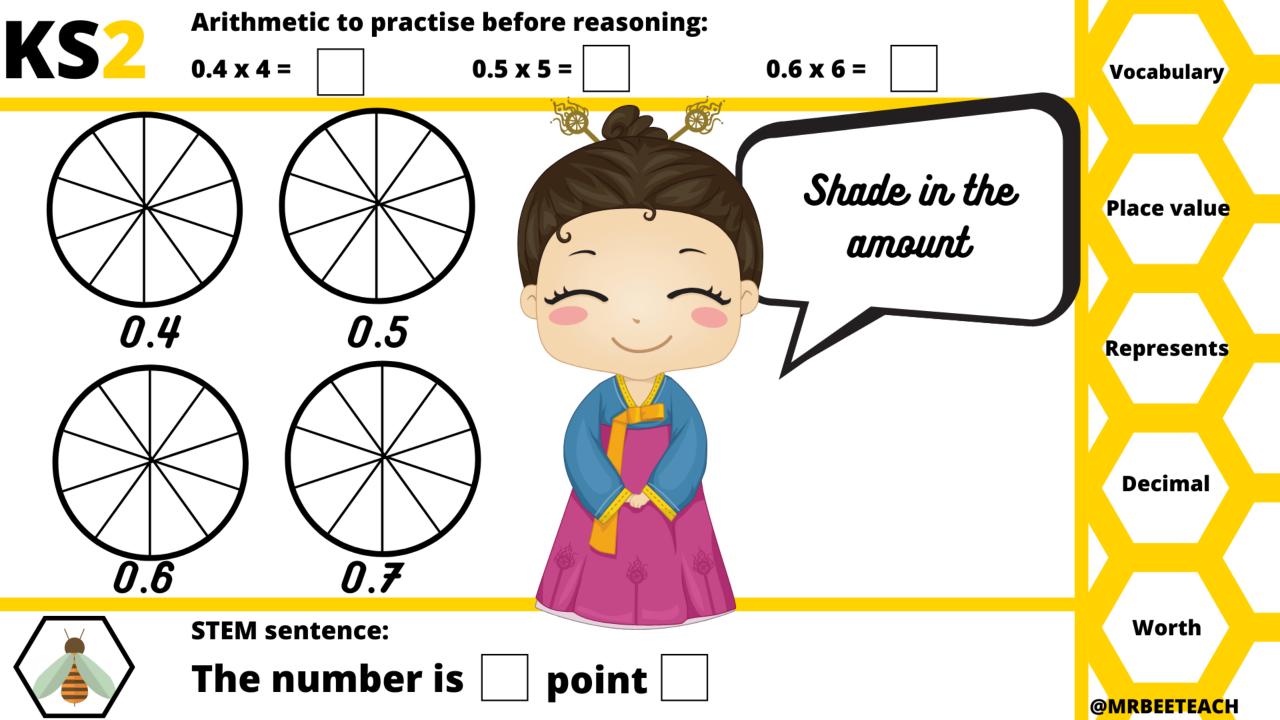
**STEM sentence:** 

The number is





Worth



#### **Arithmetic to practise before reasoning:**

 $0.1 \times 2 =$ 

0.2 x 2 =

 $0.3 \times 3 =$ 

Vocabulary

0.1



1.1

0.2



2.2

0.3



3.0

4



0.4

0.5



5.5

llse inequality symbols to make the statements correct

Represents

Place value

**Decimal** 



**STEM sentence:** 



is greater than / less than



**Arithmetic to practise before reasoning:** 

$$0.3 \times 3 =$$

Vocabulary

0.2 3 1.1 2.2 0.1 0.3



Smallest

**Largest** 

Order from smallest to largest

Place value

Represents

Decimal



**STEM sentence:** 

is greater than / less than

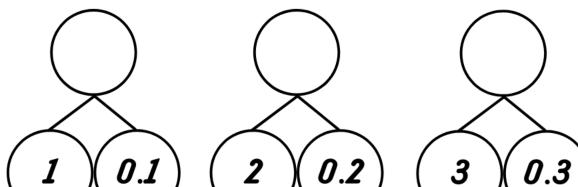


Arithmetic to practise before reasoning:

0.6

Vocabulary

Place value



Complete the part whole models

Represents

Decimal



0.4

**STEM sentence:** 

5

Worth

#### **Arithmetic to practise before reasoning:**

Vocabulary

# Complete the missing numbers

Represents

Place value

Decimal

### STEM sentence:

Worth

KS<sup>2</sup>

**Arithmetic to practise before reasoning:** 

Vocabulary

Drevious whole

1.1

whole

Drevious whole number

3.3

Previous whole

5.5

Complete the missing numbers

Place value

Represents

**Decimal** 



**STEM sentence:** 

rounds to up/down to



#### Arithmetic to practise before reasoning:

= 200,000 + 4,000

Vocabulary



Represents

Place value

**Addition** 

**STEM sentence:** 

Inequality

200,000 + 50 =

200,000 + 500 =

= 200,000 + 5,000

Vocabulary

 $1 \left\langle 5 \left\langle 9 \right\rangle \right\rangle$ 

2\(\text{O},000\) \(\text{O}\),000

llsing the digit cards,
how many ways can
you make the inequality
statement correct?

Place value

Represents

Calculate



**STEM sentence:** 

is greater than



Digits



What does the

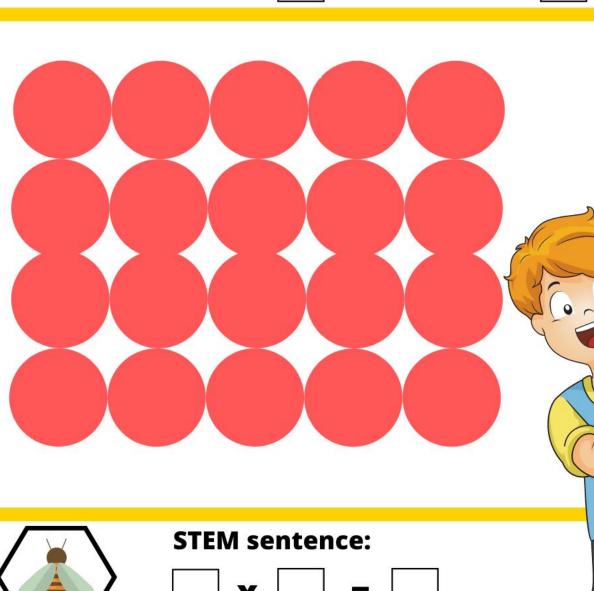
array represent? Vocabulary

Multiply

**Times** 

**Factor** 

**Product** 



#### **Arithmetic to practise before reasoning:**

X



24 =

X

24 =

Vocabulary

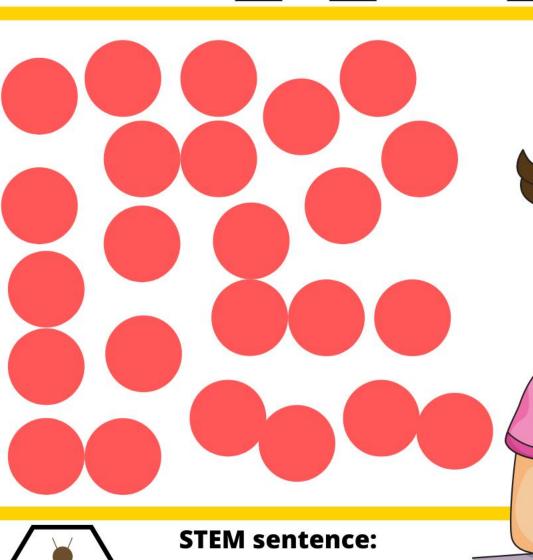
Multiply

**Times** 

**Factor** 

**Product** 

**@MRBEETEACH** 



llsing 24 counters, how many arrays can you make?



KS<sup>2</sup>

**Arithmetic to practise before reasoning:** 

Vocabulary

*20* 

What is the same? What is different?

Multiply

**Times** 

**Factor** 

**STEM sentence:** 



**Product** 

#### **Arithmetic to practise before reasoning:**

X

48 =

X

Vocabulary

Multiply

llsing 48 counters, how many arrays can you make!

**Times** 

**Factor** 



**STEM sentence:** 

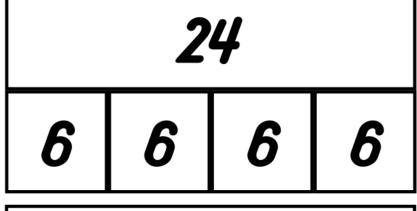


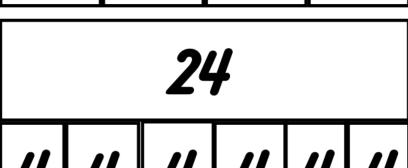


**Product** 

**Arithmetic to practise before reasoning:** 

Vocabulary





What is the same? What is different?

00

Multiply

Times

**Factor** 

STEM sentence:

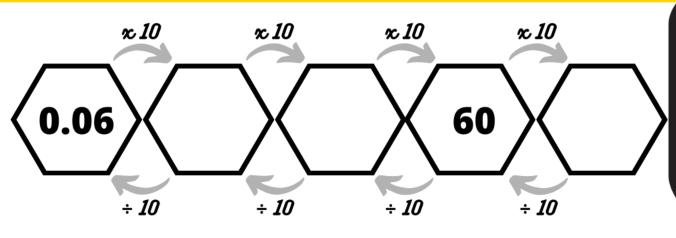
**Product** 

KS2

#### **Arithmetic to practise before reasoning:**



Vocabulary

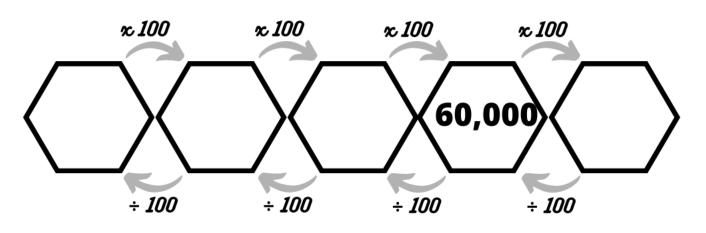


Complete the pattern

**Additive** 

**M**ultiplicative

**Relationship** 











#### **Arithmetic to practise before reasoning:**

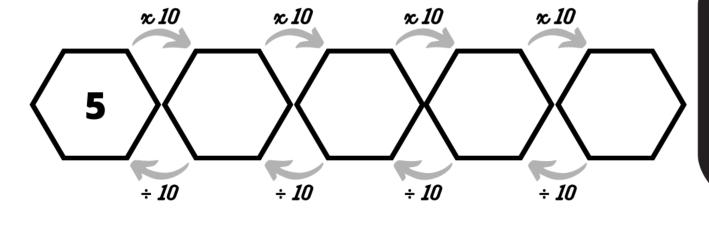
Complete the pattern

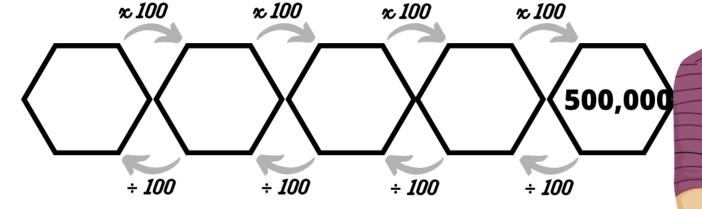
Vocabulary



**M**ultiplicative

**Relationship** 





#### **STEM sentence:**

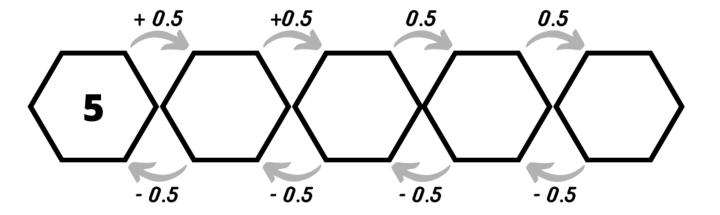


**Inverse** 





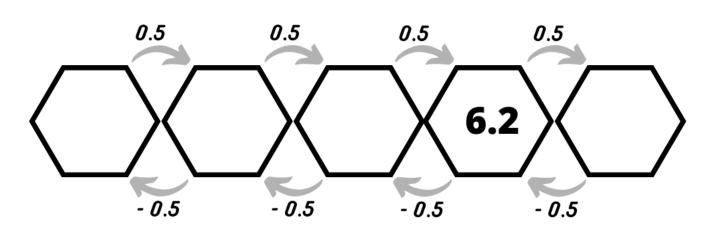
Vocabulary



Complete the pattern

Additive

Multiplicative



<mark>R</mark>elationshi<mark>p</mark>



#### **STEM sentence:**





+ 0.25

#### Arithmetic to practise before reasoning:

*0.25* 

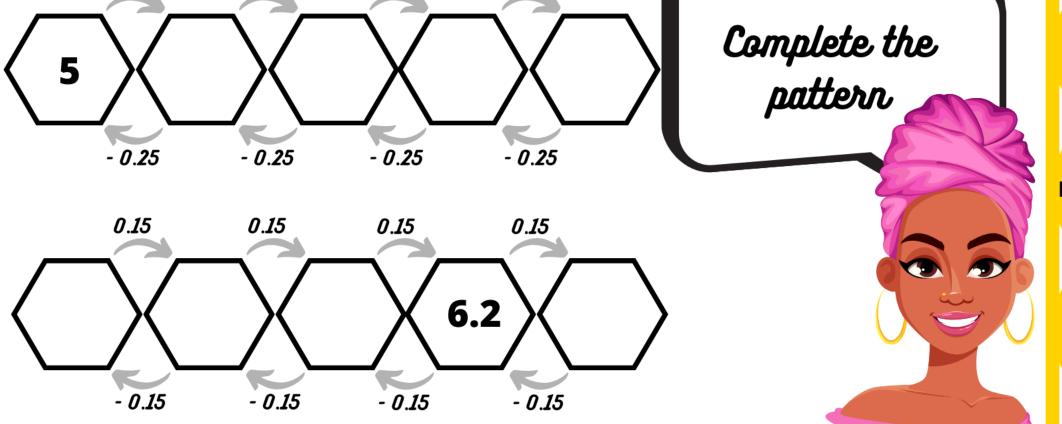
+*0.25* 

Vocabulary



**M**ultiplicative

**Relationship** 



0.25



Inverse

#### Arithmetic to practise before reasoning:

Vocabulary

$$750 + \bigcirc = 1500$$

$$500 x \bigcirc = 3000$$



Additive

**M**ultiplicative

**Relationship** 



#### **STEM sentence:**

**Inverse** 

Arithmetic to practise before reasoning:

Vocabulary

Complete the calculations using compensation



**E**quivalence

**Relationship** 



**STEM sentence:** 

Decimals

#### Arithmetic to practise before reasoning:

Vocabulary

$$8.1 + 1.9 = \langle \rangle + 8$$

$$8.9 + 1.1 = \langle \rangle + 8$$

$$5.1 + 1.9 = \langle \rangle + 6$$

$$5.9 + 1.1 = \langle \rangle + 6$$



**Compensation** 

**E**quivalence

**Relationship** 



#### **STEM sentence:**

#### **Arithmetic to practise before reasoning:**

Vocabulary

10.25 + 0.5 =



10.25 + 1.5 =



10.25 + 3.5 =

10.25 + 2.5 =



Complete the calculations using compensation

**Compensation** 

**E**quivalence

**Relationship** 



#### **STEM sentence:**

Decimals

**Arithmetic to practise before reasoning:** 

Vocabulary



llse the digits cards to create the biggest difference

Digit

Difference

**Relationship** 



**STEM sentence:** 

166666

Subtract

KS<sup>2</sup>

#### **Arithmetic to practise before reasoning:**

Vocabulary

Use the digits cards to create the biggest difference

**Digit** 

Sum

Relationship



#### **STEM sentence:**

**Addition** 

KS2 Arithm 10 - 2 =

**Arithmetic to practise before reasoning:** 

Complete the calculations

Vocabulary

Then 
$$100 - 5 = \langle \rangle$$

and 
$$10,000 - 5 =$$

Digit

Difference

**Relationship** 



**STEM sentence:** 

Subtraction

KS2 10 + 2 =

**Arithmetic to practise before reasoning:** 

Vocabulary

# 
$$10 + 5 = \langle \rangle$$

Then 
$$100 + 5 = \langle \rangle$$

$$s_0$$
 1000 + 5 =  $\langle \ \rangle$ 

and  $10,000 + 5 = \langle$ 



Sum

**Digit** 

Relationship

**STEM sentence:** 

@MRBEETEACH

**Addition** 

Vocabulary

10.25 + 0.2 = 10.27

10.25 + 0.3 = 10.28

10.25 + 0.4 = 10.29



Place value

Sum

**Relationship** 



#### **STEM sentence:**

**Addition** 

#### **Arithmetic to practise before reasoning:**

Vocabulary

10.25 - 0.2 = 10.23

10.25 - 0.3 = 10.22

10.25 - 0.4 = 10.21

What are the mistakes?

Difference

Place value

**Relationship** 

#### STEM sentence:

Subtract

KS2 51 + 52 =

#### **Arithmetic to practise before reasoning:**

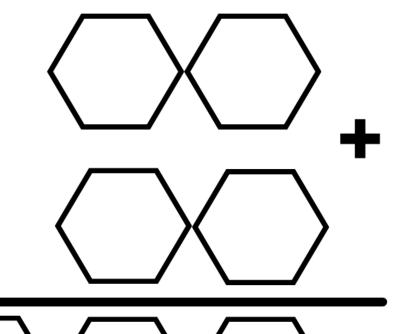
Vocabulary

Place value

Sum

How many ways can you make this correct?









#### **STEM sentence:**

**Addition**