25.01.21   Fluent in five

1) $520 \div 20 =$

2) _____ $\div 56 = 31$

3) $490 - 80 =$

4) 60% of $900 =$

5) $18,075 + 17,288 =$

6) $2.3 \times 5 =$

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1) $1.2 \times 3 =$

2) $8421 - 3900 =$

3) $193 \times 100 =$

4) $451 \times 5 =$

5) $189 \div 3 =$

WALT divide decimals by integers

https://vimeo.com/490691239

Lets recap division

$$3\overline{)693}$$

$$738 \div 9 =$$

$$8391 \div 7 =$$

How does this work if we are dividing decimal numbers by whole numbers?

$$4\overline{)15.6}$$

What about this one?

$$6\overline{)71.58}$$

Try these

1) $25.6 \div 8 =$

2) $14.8 \div 8 =$

3) $18.48 \div 6 =$

4) $19.45 \div 5 =$

5) $202.35 \div 3 =$

6) $105.12 \div 9 =$

Varied Fluency

Divide 3.69 by 3

Use the diagrams to show the difference between grouping and by sharing?

Ones	•	Tenths	Hundredths

Ones	•	Tenths	Hundredths

Use these methods to complete the sentences.

3 ones divided by 3 is _____ ones.

6 tenths divided by 3 is _____ tenths.

9 hundredths divided by 3 is _____ hundredths.

Therefore, 3.69 divided by 3 is _____

Decide whether you will use grouping or sharing and use the place value chart and counters to solve:

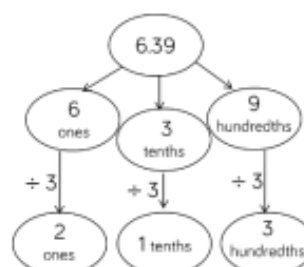$$7.55 \div 5 \qquad 8.16 \div 3 \qquad 3.3 \div 6$$

Amir solves $6.39 \div 3$ using a part whole method.

Use this method to solve

$$8.48 \div 2 \qquad 6.9 \div 3 \qquad 6.12 \div 3$$

When using the counters to answer 3.27 divided by 3, this is what Tommy did:

Ones	•	Tenths	Hundredths
1 1 1		0.1 0.1	0.01 0.01 0.01 0.01 0.01 0.01 0.01

Tommy says,

> I only had 2 counters in the tenths column, so I moved one of the hundredths so each column could be grouped in 3s.

Do you agree with what Tommy has done? Explain why.

$$C \text{ is } \frac{1}{4} \text{ of } A$$
$$B = C + 2$$

Use the clues to complete the division.

$$A \overline{\smash{)}C \,.\, {}^{C}B\,{}^{C}2} = 0.BB$$