

Diving into Mastery – Deepest

Adult Guidance with Question Prompts

Children solve sharing and grouping division problems then write their own division stories to match given division calculations. They write calculations using the symbols \div and $=$. They use drawings or concrete materials to support their calculating.

Is this a sharing or grouping problem?

How do you know?

What's the difference?

Are the calculations written differently?

How many books/pencils are there in total?

How many groups have you made?

How many in each group?

What calculation can you write?

Can you make up your own division story?

Will it be a sharing story or a grouping story?

Can you draw a picture, an array or a bar model to represent your story?

Can you represent your calculation using equipment?

Which is more efficient: grouping or sharing? Why?

Dividing by 10



Mr Smith shares 30 books between 10 tables.

How many will be on each table?

$$\underline{\quad} \div \underline{\quad} = \underline{\quad}$$



Write or draw two of your own sharing stories to match these calculations:

$$60 \div 10 \qquad 20 \div 10$$

I want 80 pencils. How many packs do I need?



$$\underline{\quad} \div \underline{\quad} = \underline{\quad}$$



Write or draw two of your own grouping stories to match these calculations:

$$70 \div 10 \qquad 40 \div 10$$