

Interleaved practise

Year 7, week 1

Number:

1. Complete the following number sequence: -10, -7, -4, -1, 2, 5, 8, 11
Describe the number pattern.

2. $312\ 478 + \overset{91195}{\underline{\hspace{2cm}}} = 403\ 673$

3. Read this number and say it: 102 413 048. Write it in words. How many millions, thousands, hundreds, tens and ones does it have?
One hundred and two million, four hundred and thirteen thousand and forty-eight.

102 millions, 413 thousands, 0 hundreds, 4 tens, 8 ones

4. What change would you get from \$80.00 if you purchased a t-shirt for \$27.80 and a cap for \$12.25? Show two different combinations of dollars and cents that you might receive.

$\$80.00 - (\$27.80 + \$12.25)$ example:
 $= \$80.00 - \40.05
 $= \$39.95$



5. What is 25% of 80? What fraction of 80 does it represent? Write it as a decimal.

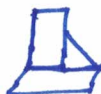
20 or $\frac{1}{4} \times 80$ or 0.25×80

Measurement/Geometry:

6. Find 3 items in your pantry that are measured in grams. List them from lightest to heaviest and write their mass in kilograms. *To convert grams to kilograms, divide by 1000*
eg. $250\text{ g} = 0.25\text{ kg}$

7. What time is it? You want to watch a television show at 16:30. The show runs for 50 minutes. What time will it end? *This is a two step problem so ask your child what he/she needs to find out first, then add the next step. You may need to adjust your clock to an easier time and/or use a clock or drawing to help work it out.*

8. Draw what this shape would look like if you flipped it on the horizontal axis.



Talking about the individual elements may help your child to visualise the changes when the shape is flipped eg 'what would the rectangle look like when it's been flipped?' 'where would the triangle be in relation to the rectangle?'

Chance/Data:

9. If it has rained for the last two days and the weather bureau says that the weather pattern will probably continue, how might you express the likelihood as a percentage?

Any percentage greater than 50% would be okay but preferably a higher one eg. 80%, 90%, 75%