

Interleaved practise

Year 6, week 1

Number:

1. Complete the following number sequence: 2, 4, 7, 11, 16, 22, 29, 37

Describe the number pattern.

Begin by adding 2 to the first number.
Add one more than the previous number for each subsequent step. eg. +3, +4, +5...

2. $12\ 478 + \overset{1125}{\underline{\quad}} = 13\ 603$

3. Read this number and say it: 12 403 048. Write it in words. How many millions, thousands, hundreds, tens and ones does it have?

Twelve million, four hundred and threethousand and forty-eight
12 millions, 403 thousands, 0 hundreds, 4 tens and 8 ones

4. If you purchased a t-shirt for \$27.80 and a cap for \$12.25? What coins and notes could you use to pay for them? Show two different combinations you might use.

$\$27.80 + \$12.25 = \$40.05$

examples: 

Your child might also suggest a larger amount. If so, ask how much change he/she would get.

5. What is one third of 42? Show how you could work it out using counters. Draw what you did.

Possible strategies: $42 \div 3 = 14$

$(30 \div 3) + (12 \div 3)$
 $= 10 + 4$
 $= 14$



$21 \div 3 = 7$ so $42 \div 3 = 7 \times 2 = 14$

Measurement/Geometry:

6. Find 3 items in your pantry that are measured in kilograms. List them from lightest to heaviest and write their mass in grams.

To convert kg to grams, multiply by 1000
e.g. 2 kg = 2000 g

7. What time is it? You want to watch a television show at 16:30. How long do you have to wait for it to start?

Your child may need to use a clock or drawing to work this out. Adjust your clock to a simpler time if your child has difficulty with telling time by 1 minute increments.

8. Describe what happened to shape 1 to make it look like shape 2.



Shape 1 was rotated $\frac{1}{4}$ turn clockwise and flipped along the vertical axis. If your child has difficulty visualising the movements, he/she could draw the shape, cut it out to work out how to make it look like the second one.

Chance/Data:

9. What is the weather most likely to be like tomorrow if there is a 25% chance of rain? How else could the chance of rain have been described?

It is most likely to be fine. It could have been described using any of the following: 1 in 4, $\frac{1}{4}$, 0.25, $\frac{25}{100}$, or words like 'moderate', 'possible'