Interleaved practise

Year 5, week 4

Number:

1. Complete the following number sequence and describe it:

$^1/_7$, $^2/_7$, $\underline{^3/_7}$, $\underline{^4/_7}$, $\underline{^5/_7}$, $^6/_7$, $\underline{^7/_7 \text{ or } 1}$, $\underline{1^1/_7}$, $1^2/_7$

2. Find the answer and show how you worked it out.

$\boxed{94}$ + 134 = 3 x 76

$\square$ + 134 = 228

$\square$ = 228 − 134

$$\begin{array}{r} 76 \\ \times\ 3 \\ \hline 1\ 8 \\ 21\ 0 \\ \hline 22\ 8 \end{array}$$
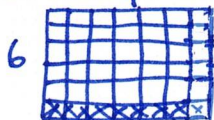
$$\begin{array}{r} \overset{1}{2}\overset{1}{2}8 \\ -\ 134 \\ \hline 94 \end{array}$$
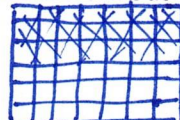
3. Which number is bigger? Explain why.

(32.70)   or   32.07

32.70 is bigger because the 7 means 7 tenths while the 7 in 32.07 means 7 hundredths. Tenths are bigger than hundredths.

4. Draw what 6 x 7 looks like and show how you would work out the answer.

6 [grid drawing]

5 X 7 + 1 X 7
= 35 + 7
= 42

[grid drawing]

3 X 7 + 3 X 7
= 21 + 21
= 42

Also
$\boxed{7 \text{ X } 7 - 7 \\ 49 - 7}$
or other examples of partitions

5. Year 5 is going to sell small cakes to raise money for camp. They estimate that for every batch of 12 cakes, they spend $3.20 on ingredients. Complete the table below to show how much profit they will make if they sell the cakes for $2 each.

Cakes	12	24	36	48	60	72	96
Profit	$20.80	$41.60	$62.40	$83.20	$104.00	$124.80	$145.60

Measurement/Geometry:

6. Find a rectangular prism (box, like for cereal) and a cylinder. How many faces or curved surfaces do they each have? What do you notice about the faces, edges and vertices (corners)? How are they the same? How are they different?

Rectangular Prism
• 6 faces, no curved surfaces   • 12 edges
• all faces are rectangles   • 8 vertices

Cylinder
• 2 circular faces
• 1 curved surface
• 2 edges   • 0 vertices

Your child should use these facts to describe what is the same or different.

7. How many hours and minutes are there between 10:45 and 14:15?

3½ hours   or   3 hours and 30 minutes

8. Use the back of this page to draw as many rectangles as you can with a perimeter of 24cm.

The following rectangles are possible: 1cm X 11cm, 2cm X 10cm, 3cm X 9cm, 4cm X 8cm, 5cm X 7cm, 6cm X 6cm

Chance/Data:

9. List all of the possible outcomes when two 6-sided dice are rolled.

1 and 6   1 and 5   1 and 4   1 and 3   1 and 2   1 and 1
2 and 6   2 and 5   2 and 4   2 and 3   2 and 2
3 and 6   3 and 5   3 and 4   3 and 3
4 and 6   4 and 5   4 and 4
5 and 6   5 and 5
6 and 6