Interleaved practise
Year 6, week 4

Number:

1. Complete the following number sequence and describe it:

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

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

$\boxed{94}$ + 134 = 3 x 76
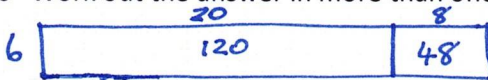
$\square + 134 = 228$

$\square = 228 - 134$

$$\begin{array}{r} 76 \\ \times\ 3 \\ \hline 18 \\ 210 \\ \hline 228 \end{array} \qquad \begin{array}{r} ^1\cancel{2}28 \\ -134 \\ \hline 94 \end{array}$$

3. Complete the table to write numbers as fractions, decimals and percentages.

Fraction	Decimal	Percentage
½	0·5	50%
⅕	0.2	20%
¼	0·25	25%
¾	0·75	75%

4. 28 x 6 Work out the answer in more than one way.

$$\begin{array}{r} 120 \\ +\ 48 \\ \hline 168 \end{array} \qquad \begin{array}{r} 28 \\ \times\ 6 \\ \hline 48 \\ 120 \\ \hline 168 \end{array}$$

5. The following items are on sale at 10% off. How much would you expect to pay?

Skateboard $71.00 → $63·90

$$\begin{array}{r} 71\cdot00 \\ -\ 7\cdot10 \\ \hline 63\cdot90 \end{array}$$

Cap $45.00 → $40·50

$$\begin{array}{r} 45\cdot00 \\ -\ 4\cdot50 \\ \hline 40\cdot50 \end{array}$$

Shoes $132.90 → $119·60

$$\begin{array}{r} 1\overset{2}{3}2\cdot90 \\ -\ 13\cdot29 \\ \hline 119\cdot61 \end{array}$$

Book $24.80 → $22·30

$$\begin{array}{r} 24\cdot80 \\ -\ 2\cdot48 \\ \hline 22\cdot32 \end{array}$$

Measurement/Geometry:

6. Find 3 prisms in your home and draw them here. What is the same about all of them?

In geometry, a prism is a type of 3-D object that has flat faces. Two of the faces are identical and are called bases. Bases are parallel. The other faces are parallelograms. Rectangles are a type of parallelogram.

eg.

7. List 5 activities that you complete during the day and when they occurred. Write the time in 12-hour and 24-hour time.

This will vary depending on the child's routine. Encourage your child to create a table to record the times and activities on.

Time 12 hr	24 hr	Activity

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. If the numbers shown on the dice are added, which total or totals would you expect to occur most frequently? Which would occur least frequently?

1 and 6 (7)	1 and 5 (6)	1 and 4 (5)	1 and 3 (4)	1 and 2 (3)	1 and 1 (2)
2 and 6 (8)	2 and 5 (7)	2 and 4 (6)	2 and 3 (5)	2 and 2 (4)	
3 and 6 (9)	3 and 5 (8)	3 and 4 (7)	3 and 3 (6)		
4 and 6 (10)	4 and 5 (9)	4 and 4 (8)			
5 and 6 (11)	5 and 5 (10)				
6 and 6 (12)					

Most frequent – 6, 7 and 8
Least frequent – 2, 3, 11 and 12