

Interleaved practise

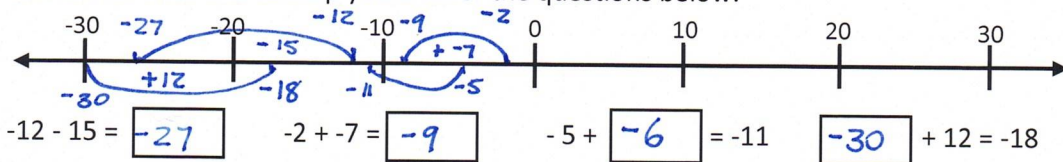
Number:

1. Which is larger? Write out each in expanded form and circle the larger total

$$3^5 = 3 \times 3 \times 3 \times 3 \times 3 = \textcircled{243} \quad 5^3 = 5 \times 5 \times 5 = 125$$

2. Find the prime factors of this number and write in index notation: 144

3. Use the number line to help you answer the questions below:



4. Calculate:

$$\begin{aligned} 3\left(\frac{1}{2} + \frac{1}{5}\right) \\ = 3 \times \frac{7}{10} \\ = 2\frac{1}{10} \end{aligned}$$

5. I pay \$2.50 per week for milk. On average, how much does it cost me each month? Show your working:

$$\$2.50 \times 4 = \$10 \text{ per month}$$

$$\$2.50 \times 2 \times 2 = \$10 \quad \text{or} \quad \begin{array}{r} 2.50 \\ \times 4 \\ \hline \$10.00 \end{array}$$

Measurement/Geometry:

6. A cube has a length of 4cm. What is its volume? Show your working.

$$4 \text{ cm} \times 4 \text{ cm} \times 4 \text{ cm} = 64 \text{ cm}^3$$

$$\begin{array}{r} 16 \\ \times 4 \\ \hline 64 \end{array}$$

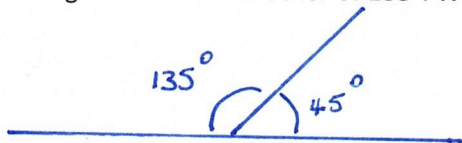
7. Fill in the missing numbers:

$$41.35 \text{ kL} = \underline{41\,350} \text{ L}$$

$$\underline{450\,000} \text{ mL} = 450 \text{ L}$$

$$3.57 \text{ mm} = \underline{0.357} \text{ cm}$$

8. Draw an angle of 45° and another of 135° . What happens when they meet at a point?



They make a straight line
 $135^\circ + 45^\circ = 180^\circ$

Chance/Data:

9. Look up the probability of rain for Saturday and Sunday. What is it? What does that mean?

The chance of rain for where I live is: (from: bom.gov.au)
 Saturday - 5% that means a 1 in 20 chance (unlikely to rain)
 Sunday - 10% that means a 1 in 10 chance (unlikely to rain)
 (Your child's answer will vary)