

Interleaved practise

Year 7, week 7

Number:

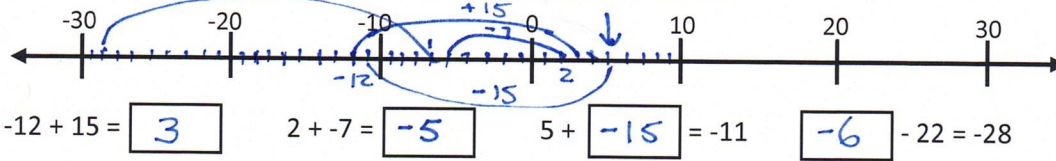
1. Write out the repeated multiplication for these and use a calculator (or phone app) to find out what numbers they represent e.g. $2^3 = 2 \times 2 \times 2 = 8$

$2^5 = 2 \times 2 \times 2 \times 2 \times 2 = 32$ $4^4 = 4 \times 4 \times 4 \times 4 = 256$ $11^3 = 11 \times 11 \times 11 = 1331$

2. Write this product using index notation: $2 \times 3 \times 2 \times 3 \times 3$

$2 \times 2 \times 3 \times 3 \times 3$
 $2^2 \times 3^3$

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



4. True or False? Explain your answer

$3(15 + 27) = (3 \times 15) + 27$ **False**
 $3 \times (15 + 27) = (3 \times 15) + (3 \times 27)$

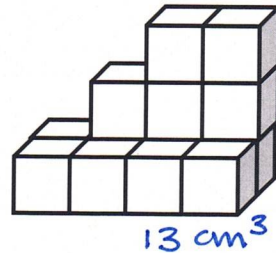
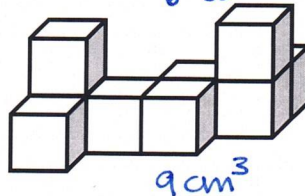
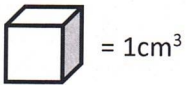
5. I pay \$27.30 per week for milk. How much does it cost me for one day? Show how you worked it out.

$\$27.30 \div 7 = \3.90

$$\begin{array}{r} \$3.90 \\ 7 \overline{) 27.30} \\ \underline{21.00} \\ 6.30 \\ \underline{6.30} \\ 0 \end{array}$$

Measurement/Geometry:

6. Write the volume of these objects in cm^3



7. Fill in the missing numbers:

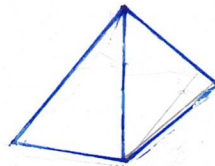
$41.35 \text{ kg} = 41350 \text{ g}$

$12.45 \text{ L} = 12450 \text{ mL}$

$3.57 \text{ m} = 3570 \text{ mm}$

8. Draw a square based pyramid and describe its properties

A square based pyramid has:
 • 5 faces - 1 square 4 triangles that are the same size and shape
 • 8 edges
 • 5 vertices.



Chance/Data:

9. Use as many colours as you like to make sure that this spinner gives you an equal chance of spinning each colour.



Your child can use any combination of colours as long as there are the same number of segments for each colour.

- Use as many colours as you like to make sure that this spinner gives you a different chance of spinning each colour.



Each colour must have a different number of segments