Interleaved practise

Year 7, week 3

Number:

1. Add the missing numbers to the number line

-70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50
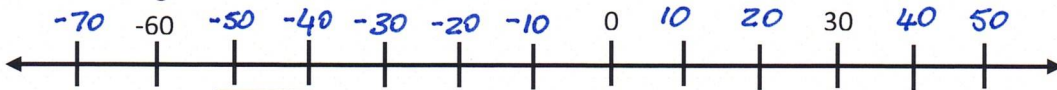
2. $523 - (147 + 292) =$ **84** $\qquad$ $523 - 147 + 292 =$ **668**   *The numbers and operations are the same for both equations. The order in which the operations are carried out is different due to the brackets, giving different answers.*

What is the same about these equations and what is different?

3. Write the numbers 20 to 35 in the correct box.

Prime Numbers	Composite Numbers
23, 29, 31	20, 21, 22, 24, 25, 26, 27, 28, 30, 32, 33, 34, 35

4. Round these numbers to two decimal places:
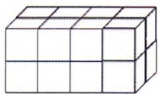
4.7359 **4·74**   127.903823 **127·9** *or 127.90*   15.01494 **15·01**   23.40975 **23·41**

5. Write 5 multiples for these numbers: *Note: any correct multiple is fine. These are just examples*

15: __30__ __45__ __60__ __75__ __90__

32: __64__ __96__ __128__ __160__ __192__

Measurement/Geometry:

6. The small cubes in this 3D object are 1cm³. What is the volume of the whole object?

16 cm³

7. You need to catch a bus to school from Main Road and be there in time for sports practice at 8:30am. Use the timetable to decide when you need to be at your bus stop and why.

Stops	Central line	Central line	Central line	Central line
Junction Street	7:46am	8:01am	8:16am	8:31am
Main Road	7:48am	8:03am	8:18am	8:33am
Anzac Avenue	7:52am	8:07am	8:22am	8:37am
Central School	7:55am	8:10am	8:25am	8:40am
Central Shopping Centre	8:01am	8:16	8:31am	8:46am

Any of the first three buses would be fine depending on the reasons eg. Need time to get ready, change shoes etc. Your child may also want to be at the stop before the scheduled time in case the bus is early.

8. Write the grid reference for the dog. Draw another dog at C,2 on the grid.
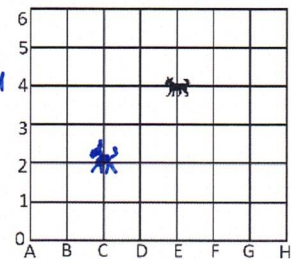
The dog is located at E,4

Chance/Data:

8. In this graph, each block represents 5 people.
   How many people like each colour?
   What fraction of the sample (group of people asked) like each of the colours: Blue, Yellow or Purple?
   Which two colours together were chosen by 50% of the sample?

   Red - 25   Yellow - 15   Blue - 30   Purple - 20

   Purple and Red make 50%
   Yellow and Blue make 50% also.

Our favourite colours

$\frac{5}{18}$ $\frac{6}{18}$ *or $\frac{3}{9}$, $\frac{1}{3}$*

$\frac{3}{18}$ $\frac{4}{18}$ *or $\frac{2}{9}$*

or $\frac{1}{6}$

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