Interleaved practise

Year 6, week 5

Number:

1. Write these numbers in ascending order (smallest to largest)

   74.103, 73.41, 73.140, 74.31 73·140 , 73 ·41, 74 ·103, 74·31

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

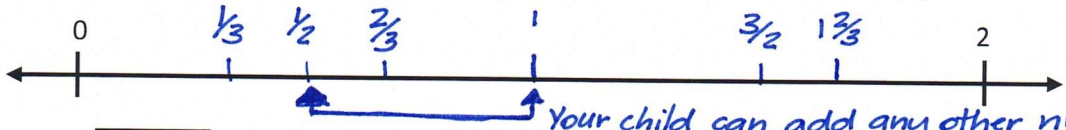
   476
   4 (623 – 147) = 1904

   5 12 13
   623
   - 147
   476

   476
   × 4
   24
   280
   1600
   1904

   Your child must do the subtraction part first and then multiply by 4.

3. Show where these fractions would go on the number line: ⅓ 1⅔ 3/2 ⅔

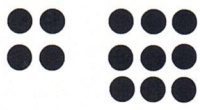


Your child can add any other numbers that will help to work it out.

4. 105 ÷ 6 = ☐ Show your answer in two different ways.

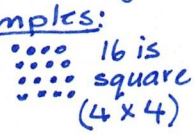
   17 r3
   6)105 or 6)105·0 or 6 17 (102) remainder 3 or 17½

5. 4 and 9 are both square numbers. Find 2 more numbers that are square and 2 that are not square.

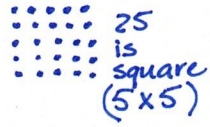


This answer may vary so accept any response that your child can justify.

Examples:



16 is square (4 x 4)



25 is square (5 x 5)

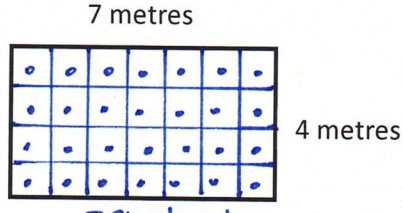
10 and 15 are not square because you can't make a square shaped array.

Measurement/Geometry:

6. I have 12 metres of fabric to use to make 4 curtains and cushions for my bedroom. Each curtain requires 2.25 metres of fabric. How much fabric will I have left for my cushions?

   4 x 2.25m = 9m 12m - 9m = 3m left for cushions.

7. I want to plant my rectangular garden with shrubs that need a space that is 1m². How many shrubs could I plant? Show where each one would be planted.



28 shrubs

7 x 4 = 28 shrubs

8. How much garden edging will I need to enclose the garden (from question 7)? If the edging is sold in 5 metre lengths, how many lengths will I need to buy?

   Perimeter = 2 (Length + Breadth) P = 2 (7 + 4) = 22 metres. I will need to buy 5 lengths.

Chance/Data:

9. I can choose to use either one of these two spinners for my next turn in a game.
   a. Which spinner gives me the greatest chance of spinning yellow? Spinner A
   b. Using this spinner, what percentage chance do I have of spinning a colour other than yellow? 70% chance it won't be yellow.