

Canonbury Home Learning

Year 6 Maths

Developing/ Expected/ Greater depth activity

Lesson 3

LO: TBAT solve word problems.

Task: This week you will be trying to find the ages of family members solving word problems.

Success Criteria:

1. Read the question.
2. Highlight the key information.
3. Identify the operation needed (+, -, ÷, x)
4. Solve.
5. Use the inverse to check your answer.

100 Square									
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Prime Numbers

A prime number is a whole number that has only two factors: itself and 1.

For example, 7 is a prime number because it has only two factors: 7 and 1.

$7 \div 7 = 1$ and $7 \div 1 = 7$

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

13 is a prime number. It has two factors: 13 and 1.
 $13 \div 1 = 13$ $13 \div 13 = 1$

1 is not a prime number. It has only one factor: 1.
 $1 \div 1 = 1$

2 is the lowest and only even prime number. It has two factors: 2 and 1.
 $2 \div 1 = 2$ $2 \div 2 = 1$

6 is not a prime number. It has four factors: 1, 2, 3 and 6.
 $6 \div 1 = 6$ $6 \div 2 = 3$
 $6 \div 3 = 2$ $6 \div 6 = 1$

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Task 1

Problem solving

Apply your knowledge of multiples to solve the following questions.

Here are six digit cards.



Choose two cards each time to make the following two-digit numbers.

Use each digit card once.

a multiple of 5	<input type="text"/> <input type="text"/>
a square number	<input type="text"/> <input type="text"/>
a cube number	<input type="text"/> <input type="text"/>

Q2.

Write the missing numbers in the sequence

Task 2

Arithmetic

22 $\frac{5}{8} \times 40 =$

23 $\frac{4}{5} + 2 =$

24 $65 \overline{)8625} =$

25 $\begin{array}{r} 1802 \\ \times 43 \\ \hline \end{array}$

26 $\frac{4}{5} - \frac{7}{10} =$

27 $3\frac{7}{8} - 1\frac{1}{2} =$

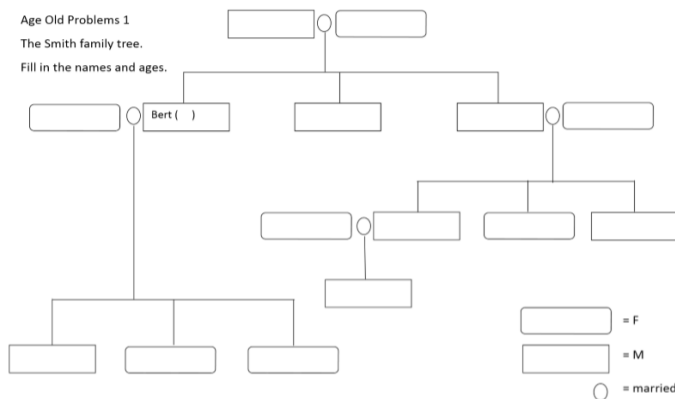
28 $\frac{3}{4} \times \frac{1}{2} =$

Task 3

Project

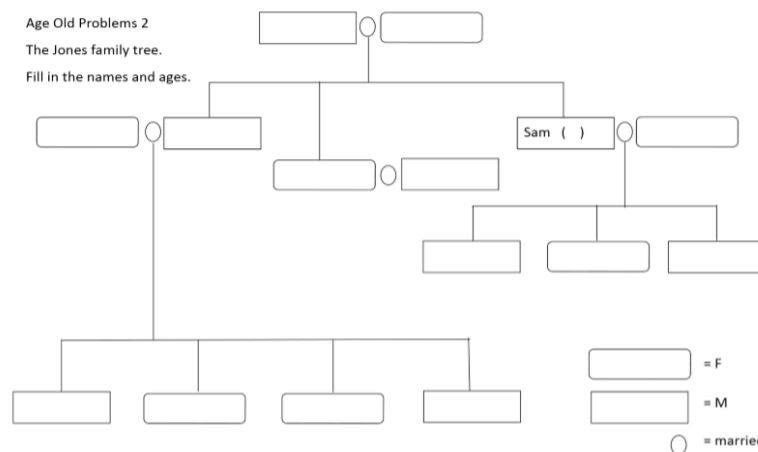
Expected

Continue with yesterday's task. Plot the family members in the correct place on the family tree.



Greater Depth

Continue with yesterday's task. Plot the family members in the correct place on the family tree.



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<input type="text"/>	24	30	<input type="text"/>	42	48	<input type="text"/>
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Q3.

Circle the numbers that are multiples of 7

27 42 52 63 77

Q4.

Write the missing numbers in the sequence

<input type="text"/>	24	32	<input type="text"/>	48	56	<input type="text"/>
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