Canonbury Home Learning

Year 6 Maths

Developing/ Expected/ Greater depth activity

Lesson 2

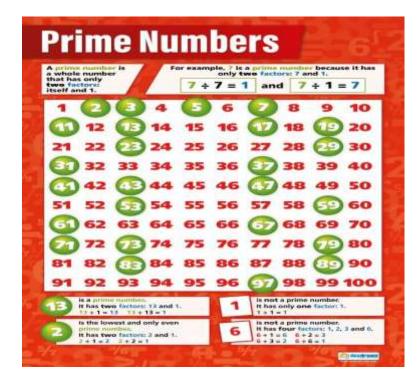
LO: TBAT solve word problems.

<u>Task:</u> 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 $(+, -, \div, x)$
- 4. Solve.
- 5. Use the inverse to check your answer.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
100000	5.00	200000	200100	93880	2000	(8000)	(4,55%)	(2.6)	22000
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





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Main activity

<u>Task 1</u>	<u>Task 2</u>	<u>Task 3</u>		
Problem solving	<u>Arithmetic</u>	Project Expected		
Apply your knowledge of factors to solve the following questions.	45 0	Continue with yesterday's task.		
.	$\frac{2}{5}$ of 30 =	8. Sam and Susan's eldest son James (who is married) is 2/5 of the age of		
Q1. Circle all the prime factors of 30		Susan.		
2 3 5 6 10		James' sister Jessica is younger than James by less than 10 years. Her		
Q2. 1 and 48 is factor pair of 48	16 1 ?	age is a multiple of both 2 and 3.		
Find three other factor pairs of 48	$\frac{1}{6} = \frac{?}{30}$	 James' younger brother Steven has an age which is a square number. When he is 3 times his age now, he will be 48. 		
and		11. Sam and Bert's father Gerald is in his seventies. His age is a prime		
		number. In less than 5 years he will be 80.		
and	70% of 80 =	12. Gerald's wife is younger than him although also in her seventies. Her		
		age is a prime number. The digits of her age add up to 10.		
and	18 7 <u>)</u> 3456 =	13. James is married to Charlotte. Charlotte is in her twenties. Her age is		
Q3.		divisible by 2, 3, 4, 6 and 8. 14. James and Charlotte have a son Cameron whose age is an even		
1 and 35 is a factor pair of 35		square number.		
What is the other factor pair of 35?	19 0.07 × 4 =	15. Gerald and Ruth have an unmarried son Paul who is younger than		
and		Sam but older than Bert. His age is a prime number.		
Q4.				
	20 2.97 × 4 =	Greater depth task on the next page.		
23 × 36 = 23 × 9 ×				
	9.78 × 1000 =			

CANONBURY PRIMARY SCHOOL)

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	Greater Depth Continue with yesterday's task.
	7
	8. Cyril and Ruth have a daughter called Avis. She has a monthly
	clothes budget of £200. Her age is a square number. The
	second digit is twice the first digit.
	Brian is a son of Cyril and Ruth. His age is 4 less than half of
	Cyril's age. He started his latest job as a traffic warden when he was 22.
	10. Brian's wife, Samantha is older than Brian. She left university
	when she was 24. Her age is a multiple of 7. The difference
	between the digits of her age is 2. Her age is an even number.
	11. Brian's oldest son, Cameron has 25 stick insects. His age is a
	factor of 48 and 60. He is at secondary school.
	12. Cameron's sister, India has 72 songs on her mobile phone. Her
	age is a prime number. If her age is multiplied by one of its 2
	digits, the answer is 39.
	13. India's sister, Jane scored 76% on her latest Maths test. She is % of her father's age.
	14. Brian and Samantha' youngest child, Simon goes to Beagles
	Primary School. His age is a factor of his mother's age. It is not a prime number.
	15. Avis recently married Marvin. Marvin is due to retire when he is
	60. When he is twice his current age, he will be 80.

