



Guide to using Papa Titioning's Models and Images Calculation Wallcharts

Wallchart Listing

Page

- 3: **Basic Addition**
- 4: **2-Digit Addition**
- 5: **3-Digit Addition**
- 6: **Basic Subtraction**
- 7: **2-Digit Subtraction**
- 8: **3-Digit Subtraction**
- **9**: **Basic Multipication**
- 10: **2-Digit Multipication**
- **Basic Division** 11:
- **Basic Division Remainders (23 + 5 = 4r3)** 12:
- 13: **2-Digit Division**
- 14: **3-Digit Division 1**
- **3-Digit Division 2** 15:
- **Models of Calculation** 16:

(11 + 5 = 16)(43 + 24 = 67)(385 + 247 = 632)(12 - 7 = 5)(73 - 47 = 25) & (87 - 23 = 64)(331 - 146 = 185)

- $(5 \times 4 = 20)$
- $(15 \times 5 = 75)$
- $(20 \div 5 = 4)$
- $(74 \div 4 = 18)$
- $(136 \div 4 = 34)$
- $(536 \div 4 = 134)$



Papa Titioning's Calculation Wallcharts provide a visual representation of the Models and Images that help children understand and develop their skills in calculation. They are in line with progressions found in Domains 2: Addition and Subtraction and Domain 3: Multiplication and Division of the new National Curriculum. They are the ideal accompanyment to the SoN Visual Calculation Policy.

A school branded VPVP is pdf document created by Dave Godfrey for individual schools to which the school logo and school name are added in the footer of each slide.

Typical uses:

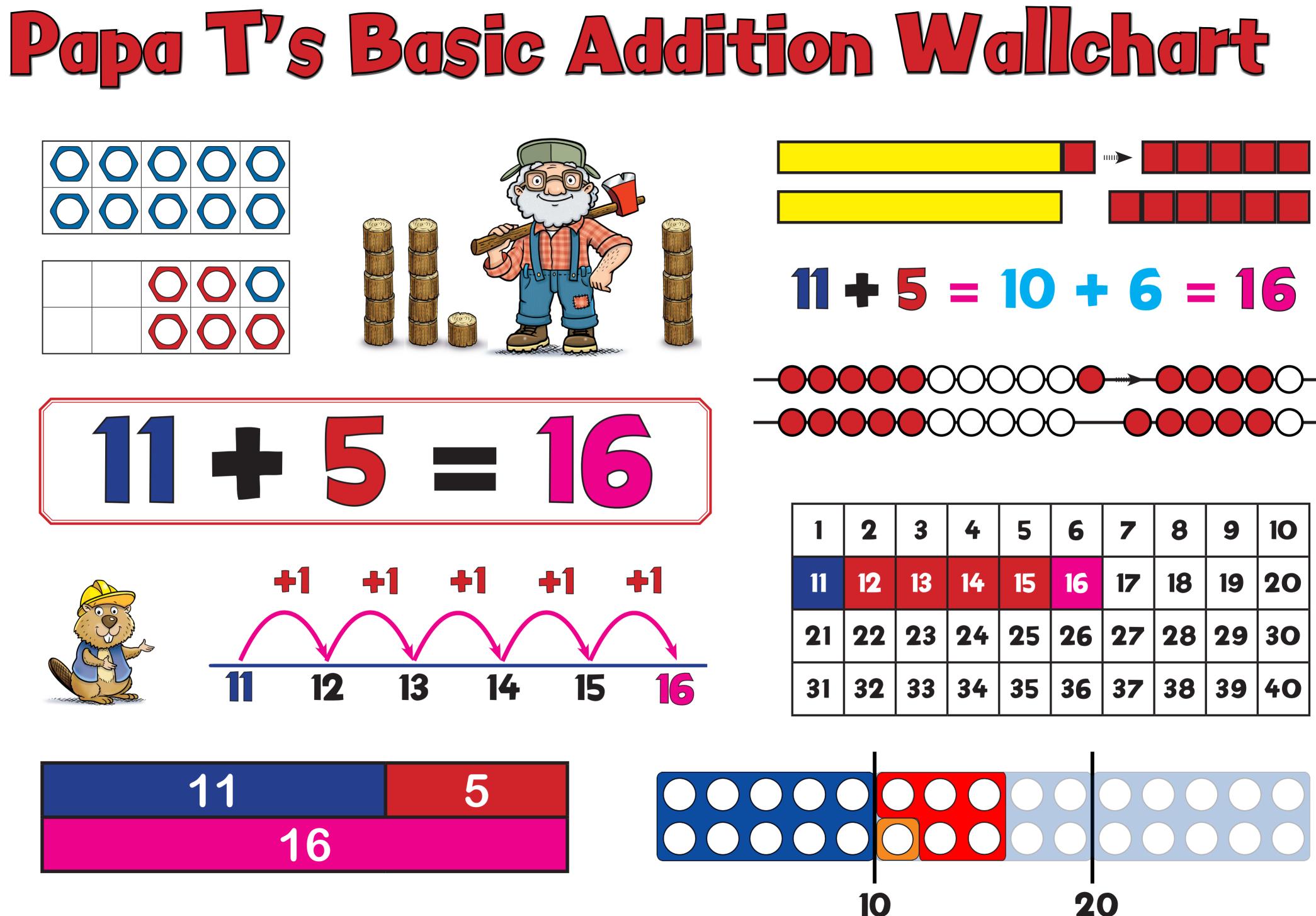
Classroom: The slides are printed out (e.g. A4/A3) and the appropriate slides are displayed within classrooms for continual reference or on a working wall.

Teacher Reference: The slides are printed out (e.g. 9 slides per A4 page) and inserted in the teacher's planning folder. Parents: The slides are used to communicate to parents how models and images are used in the teaching of Calculation within school.

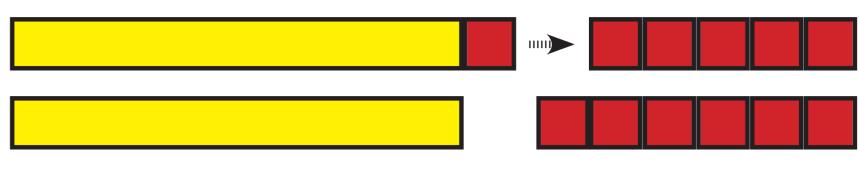
Website: Screen grabs from the VPVP are securely inserted onto a school's maths webpages.

(Please note: the VPVP should not be made available for download on the school website.)

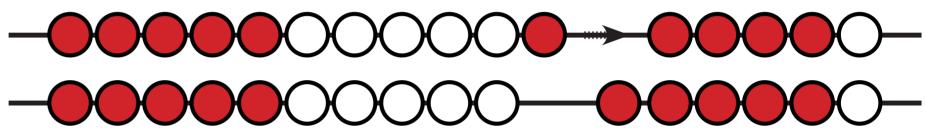




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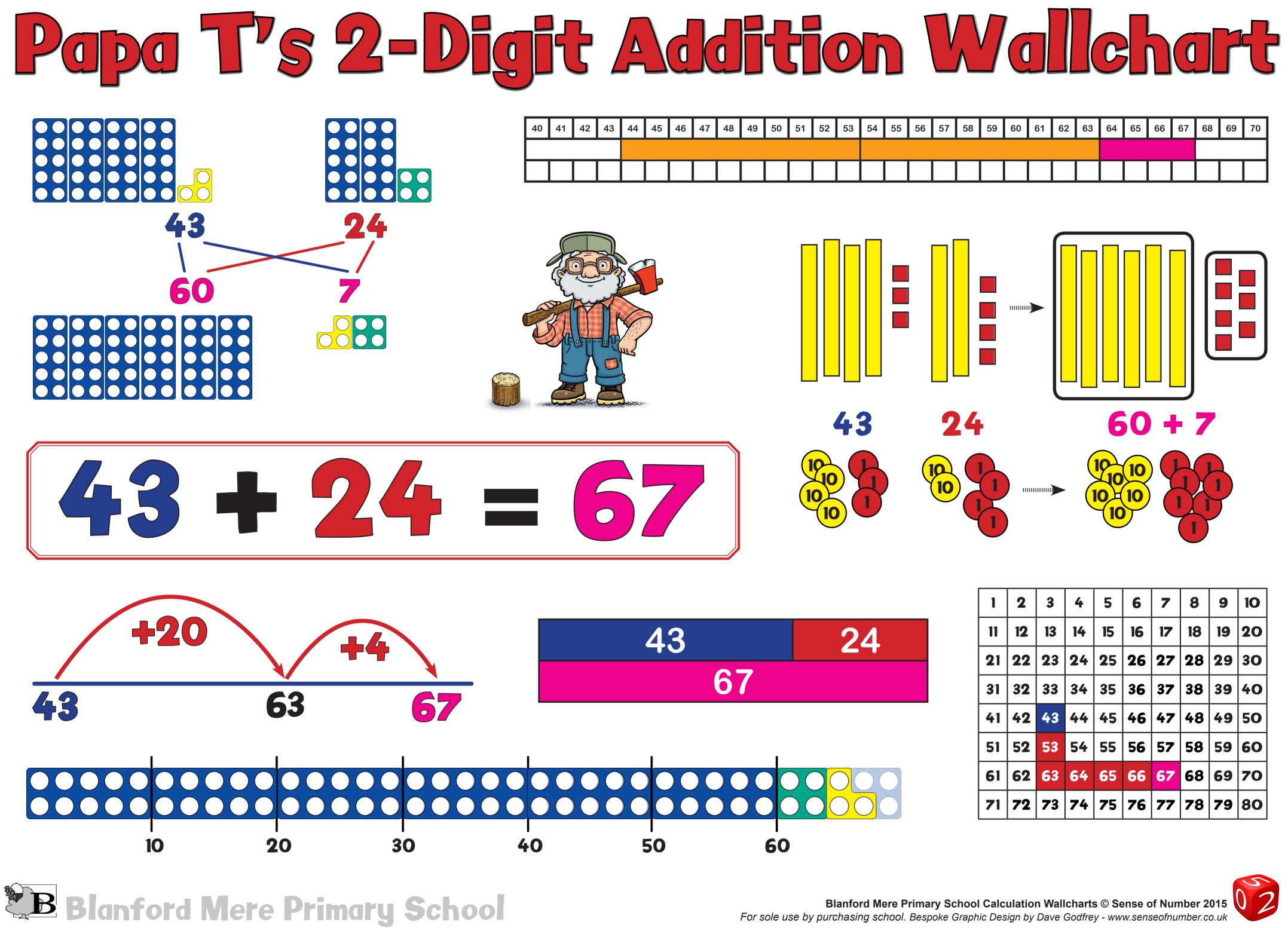




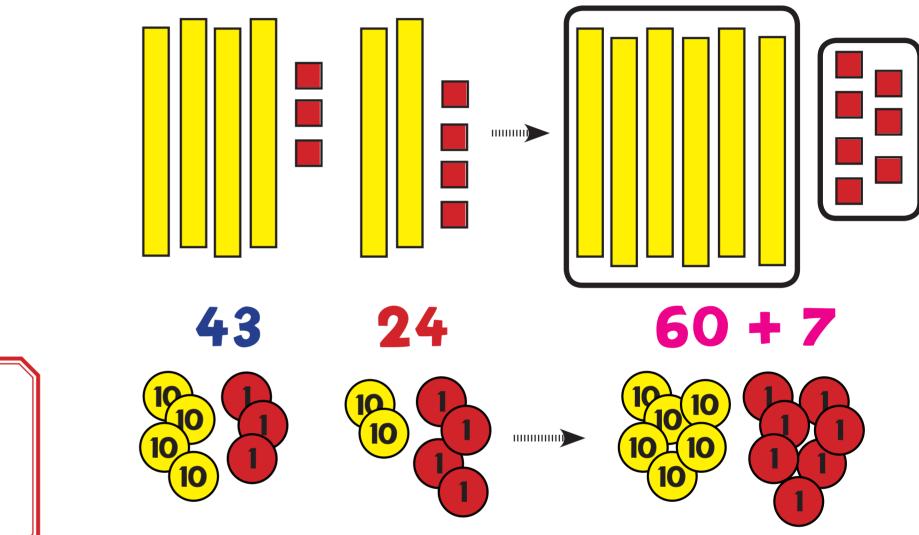
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40



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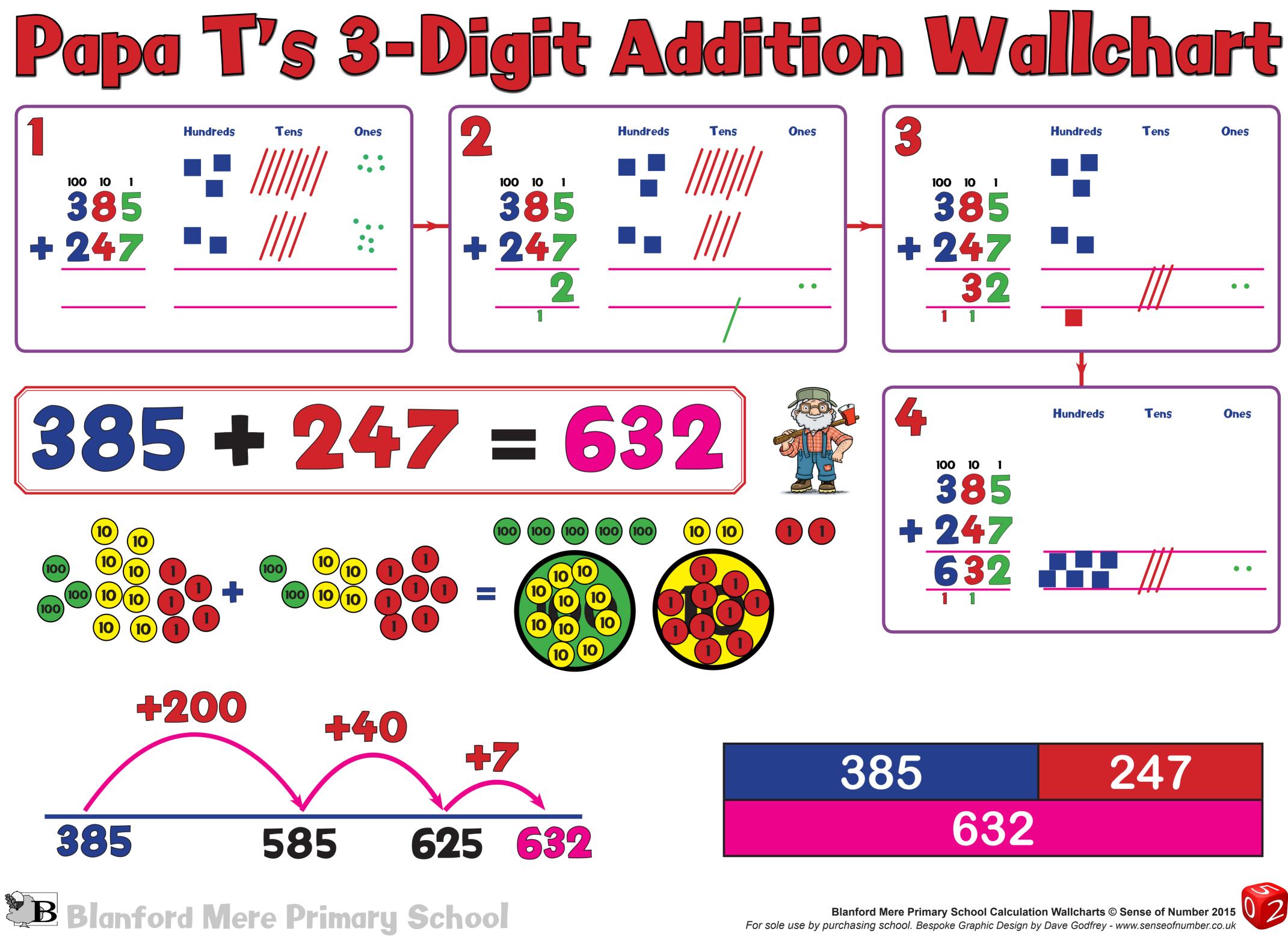


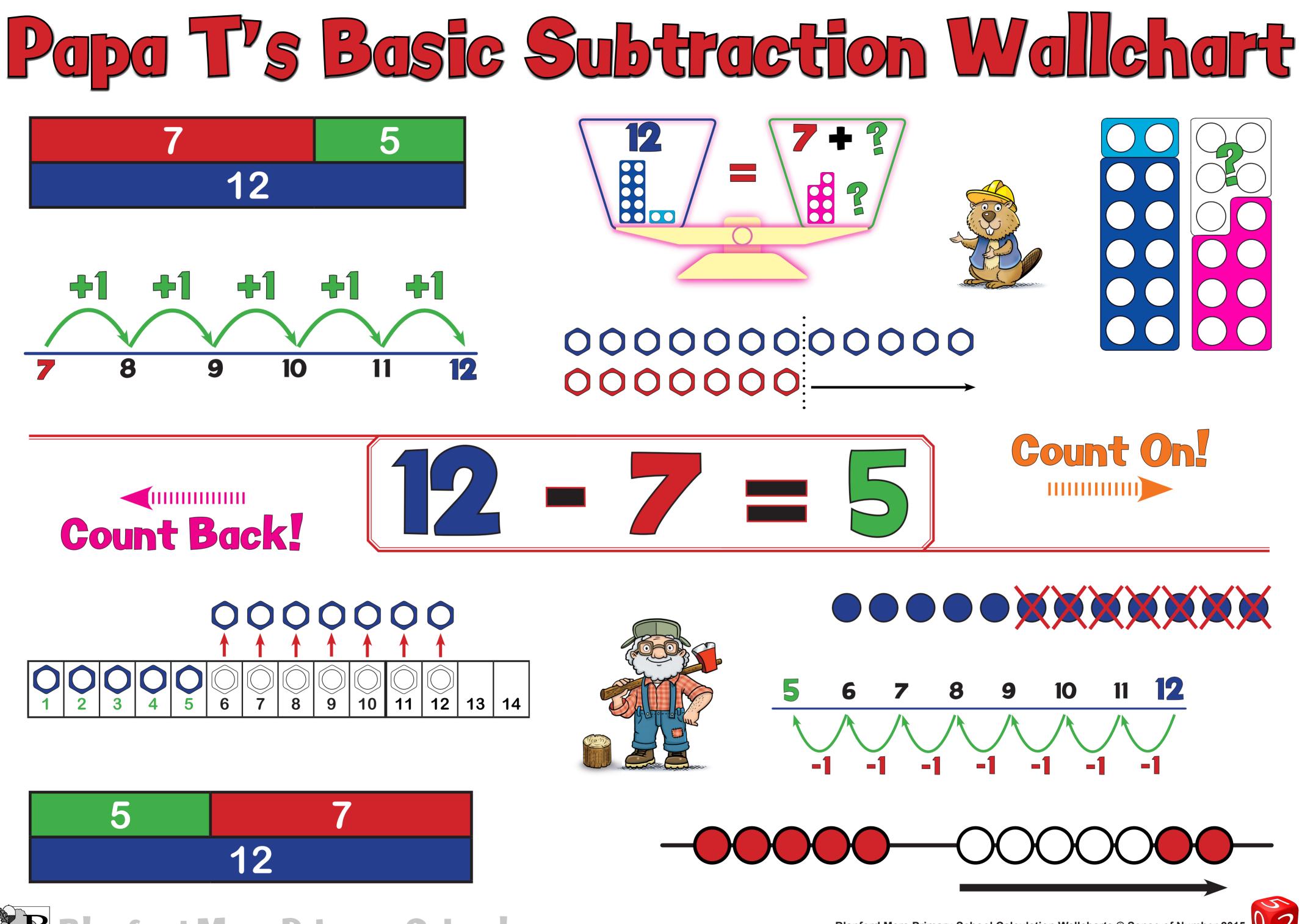
46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70



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	5 2	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

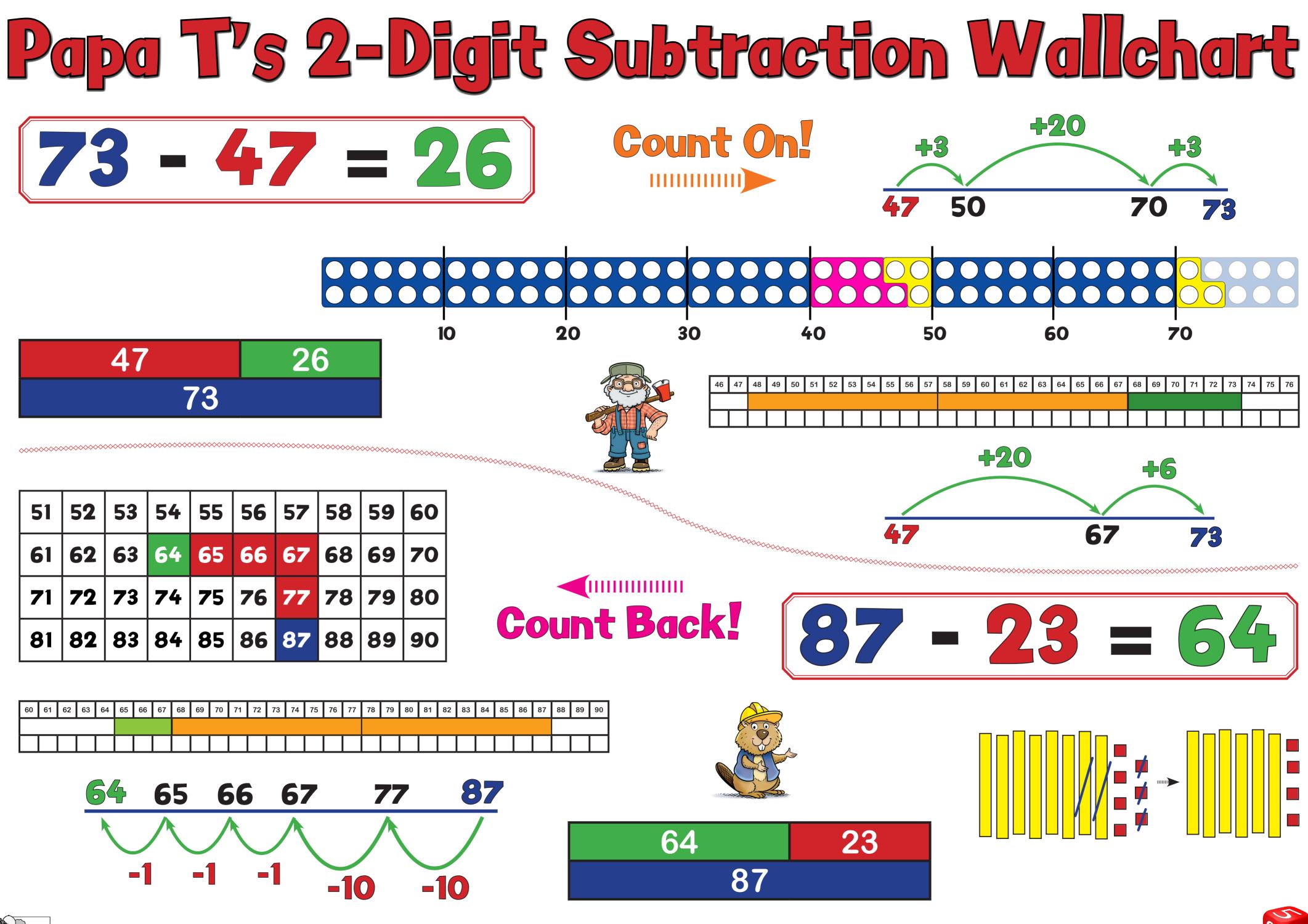






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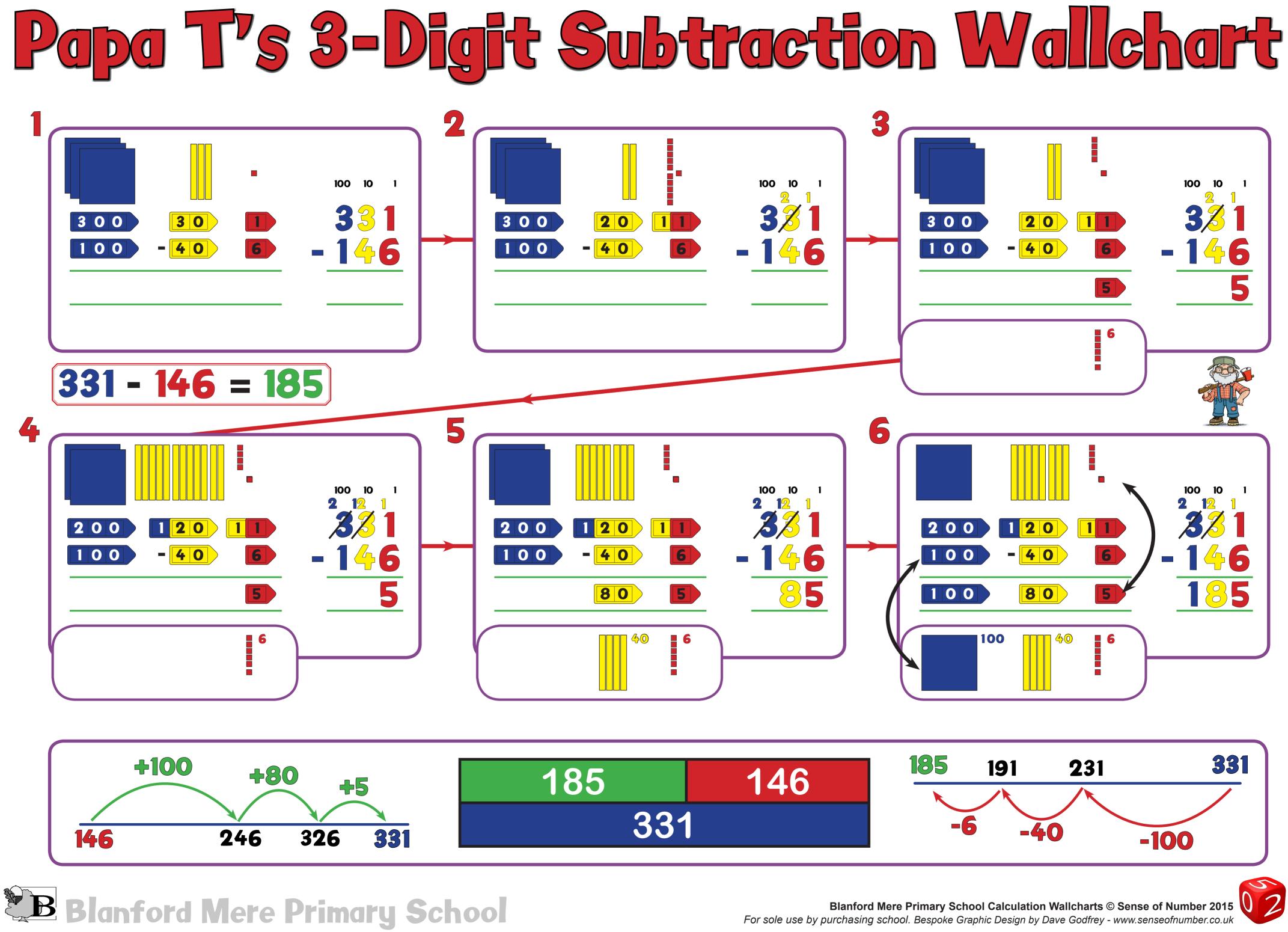
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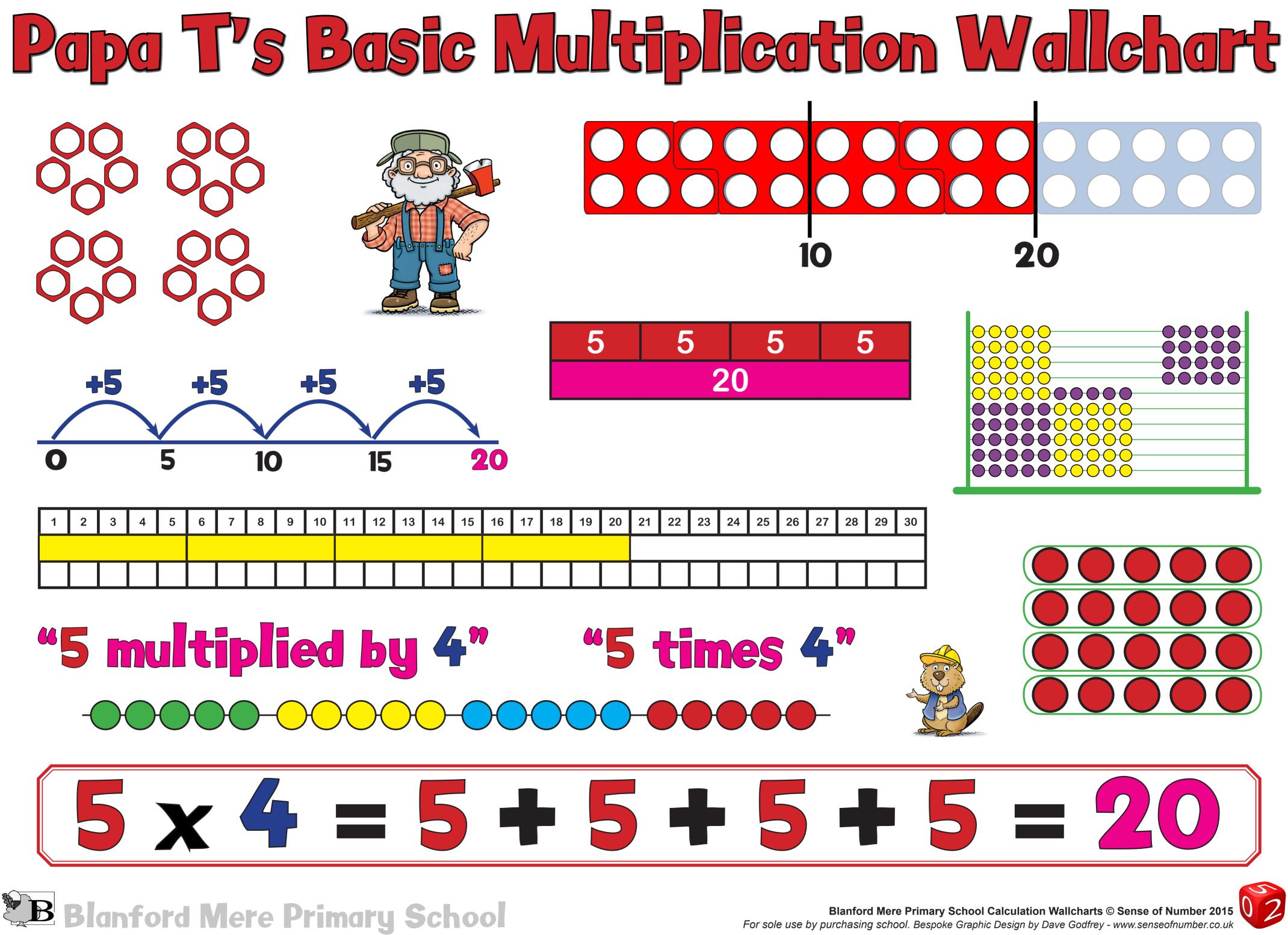


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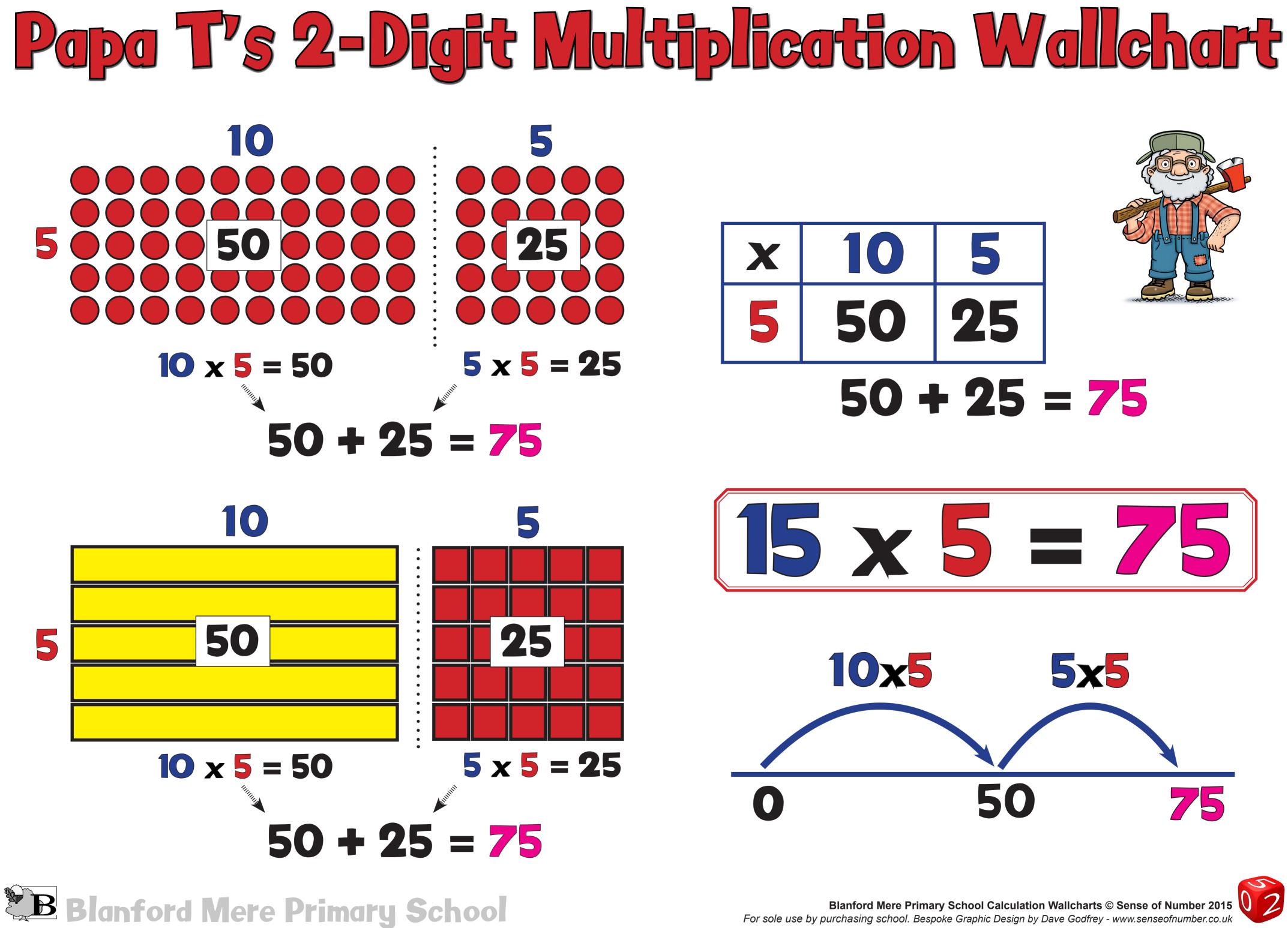
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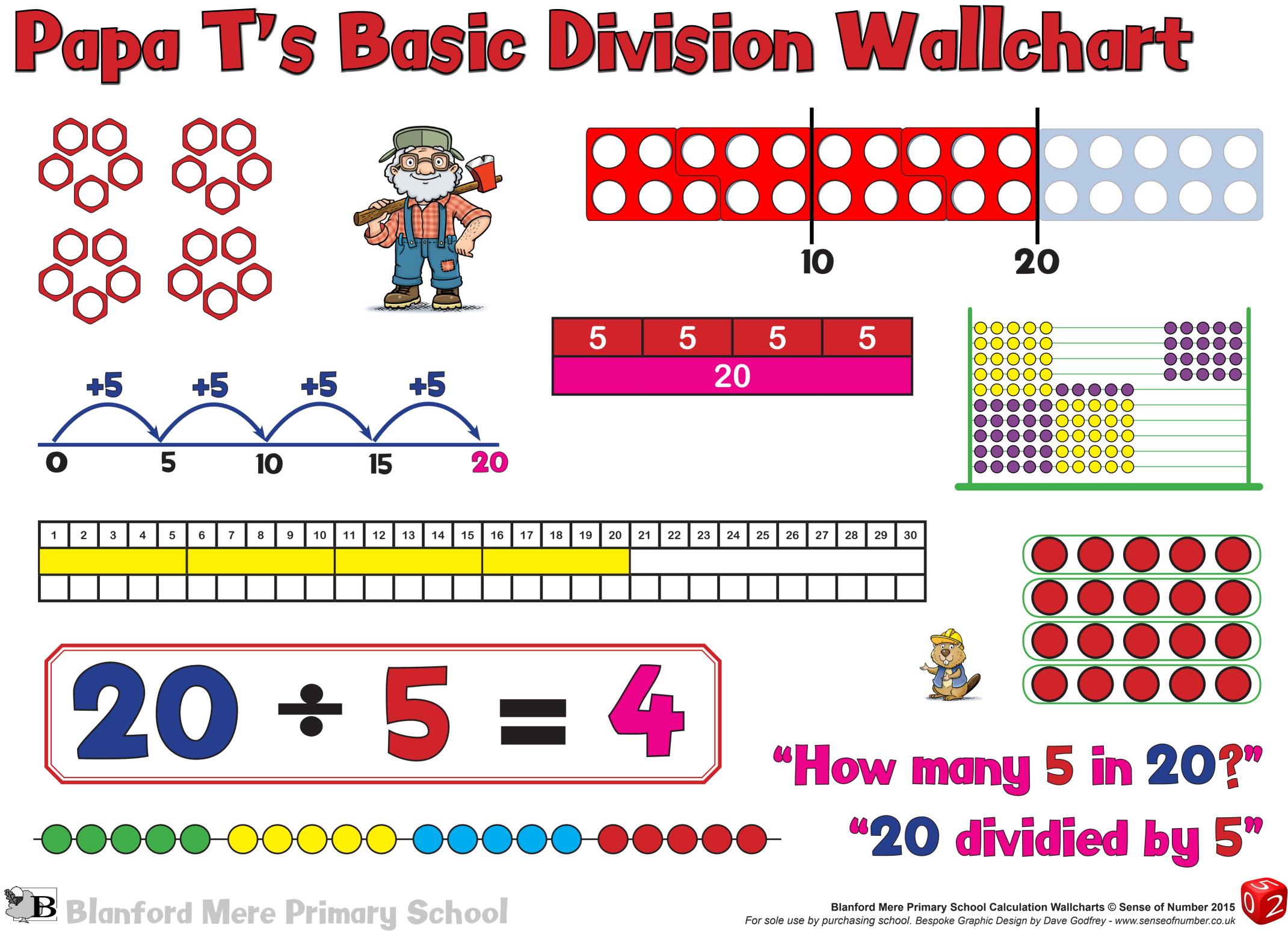


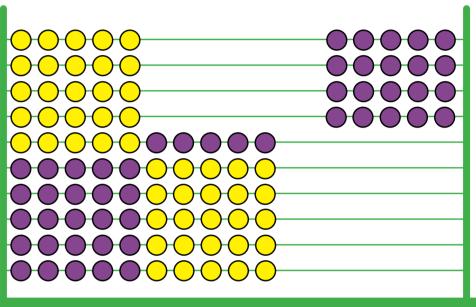
|--|--|--|

2	23	24	25	26	27	28	29	30



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2	23	24	25	26	27	28	29	30

