



# 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:

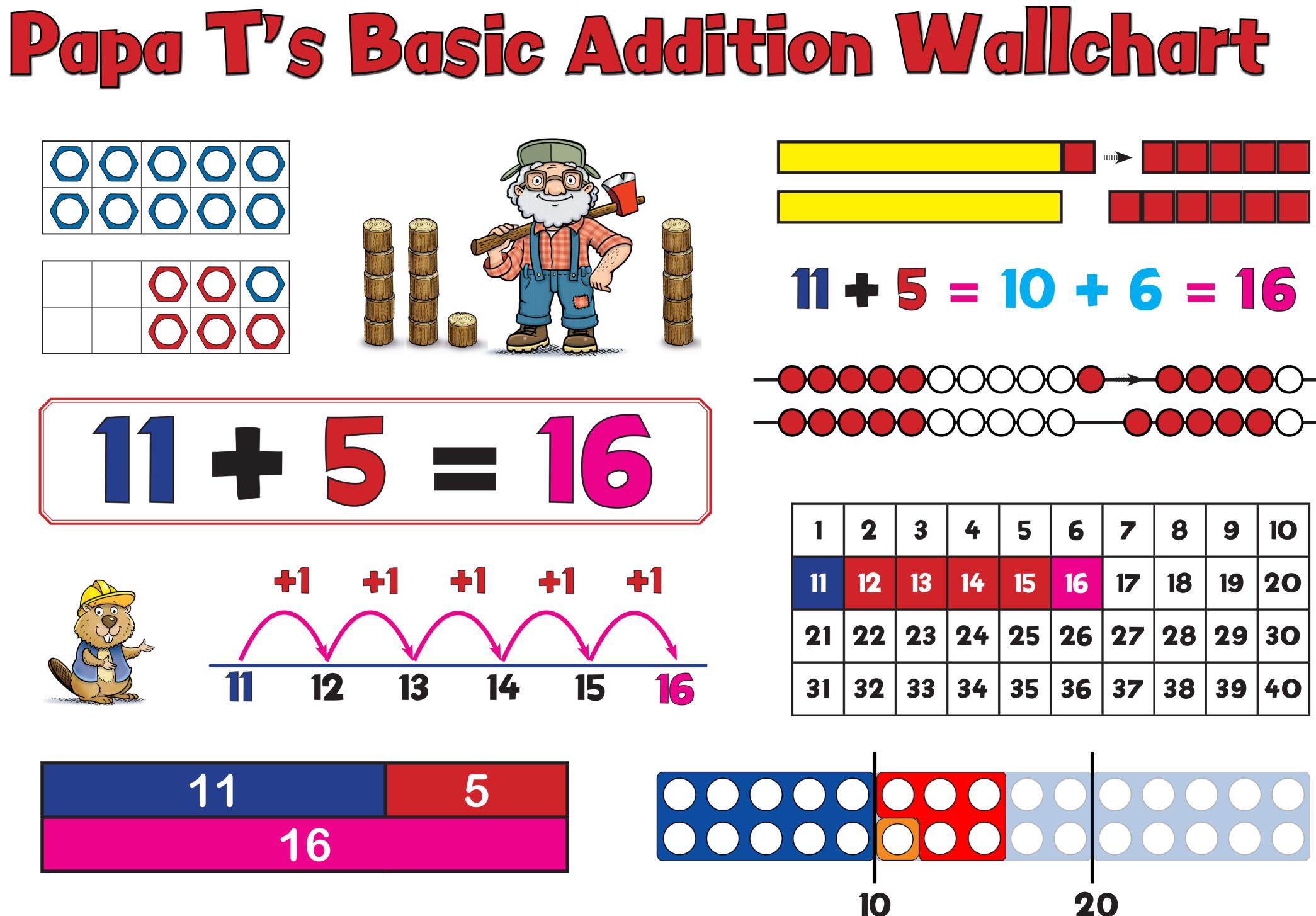
Classroom: The slides are printed out (e.g. A4/A3) and the appropriate slides are displayed within classrooms for continual reference or on a working wall.

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.

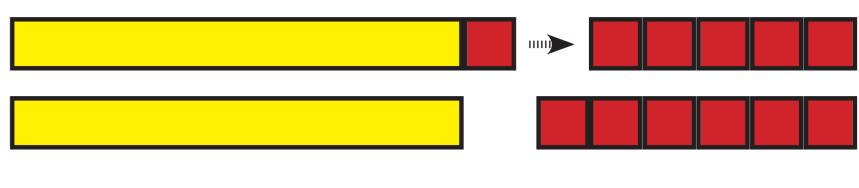
Website: Screen grabs from the VPVP are securely inserted onto a school's maths webpages.

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

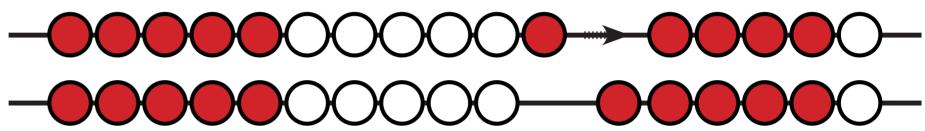




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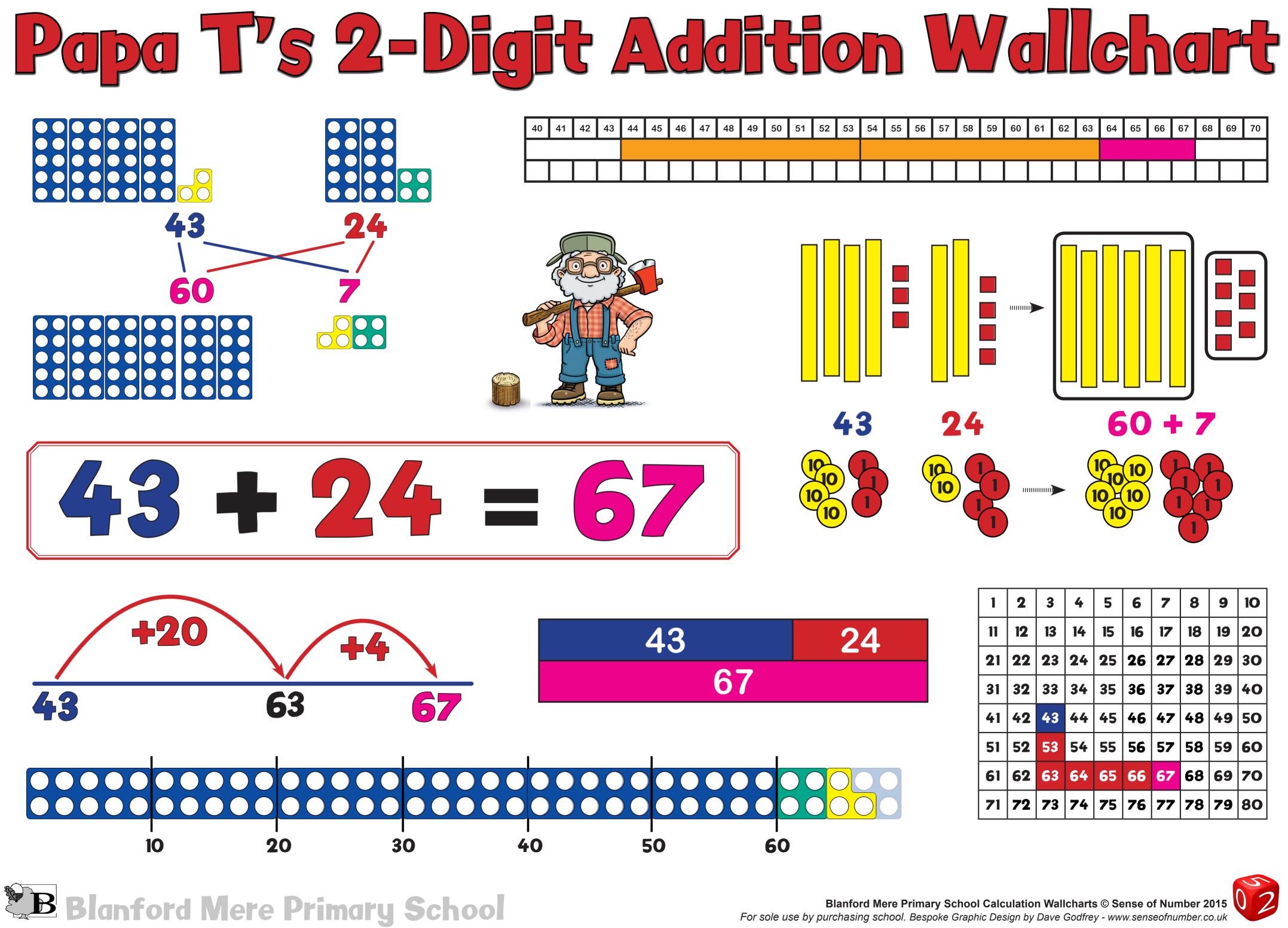




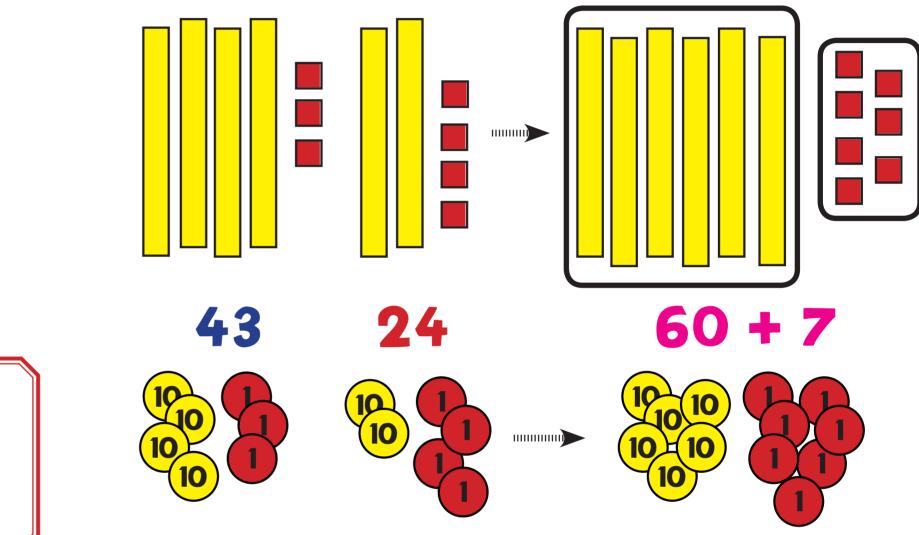
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40



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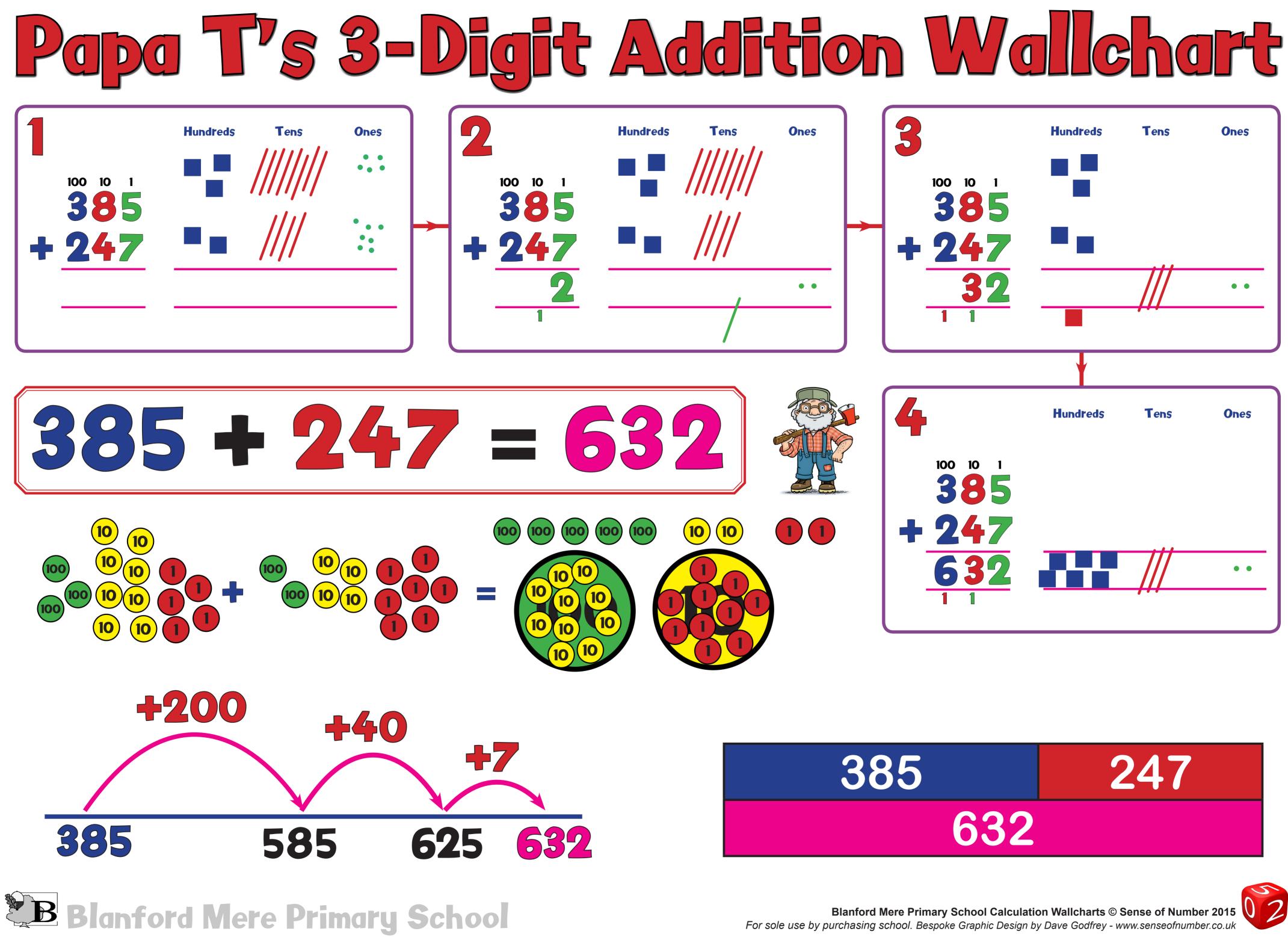


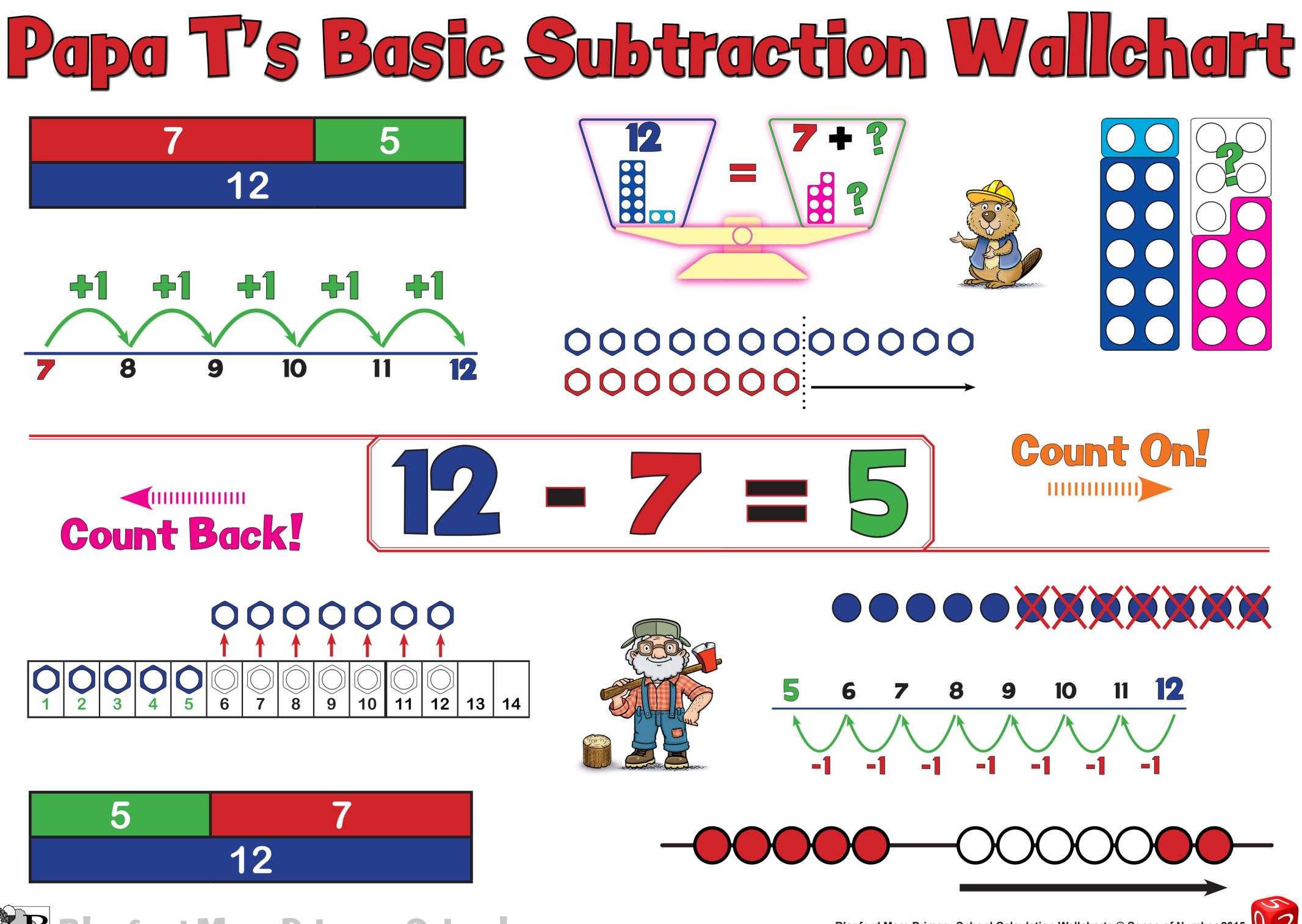
46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70



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 <b>2</b>	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

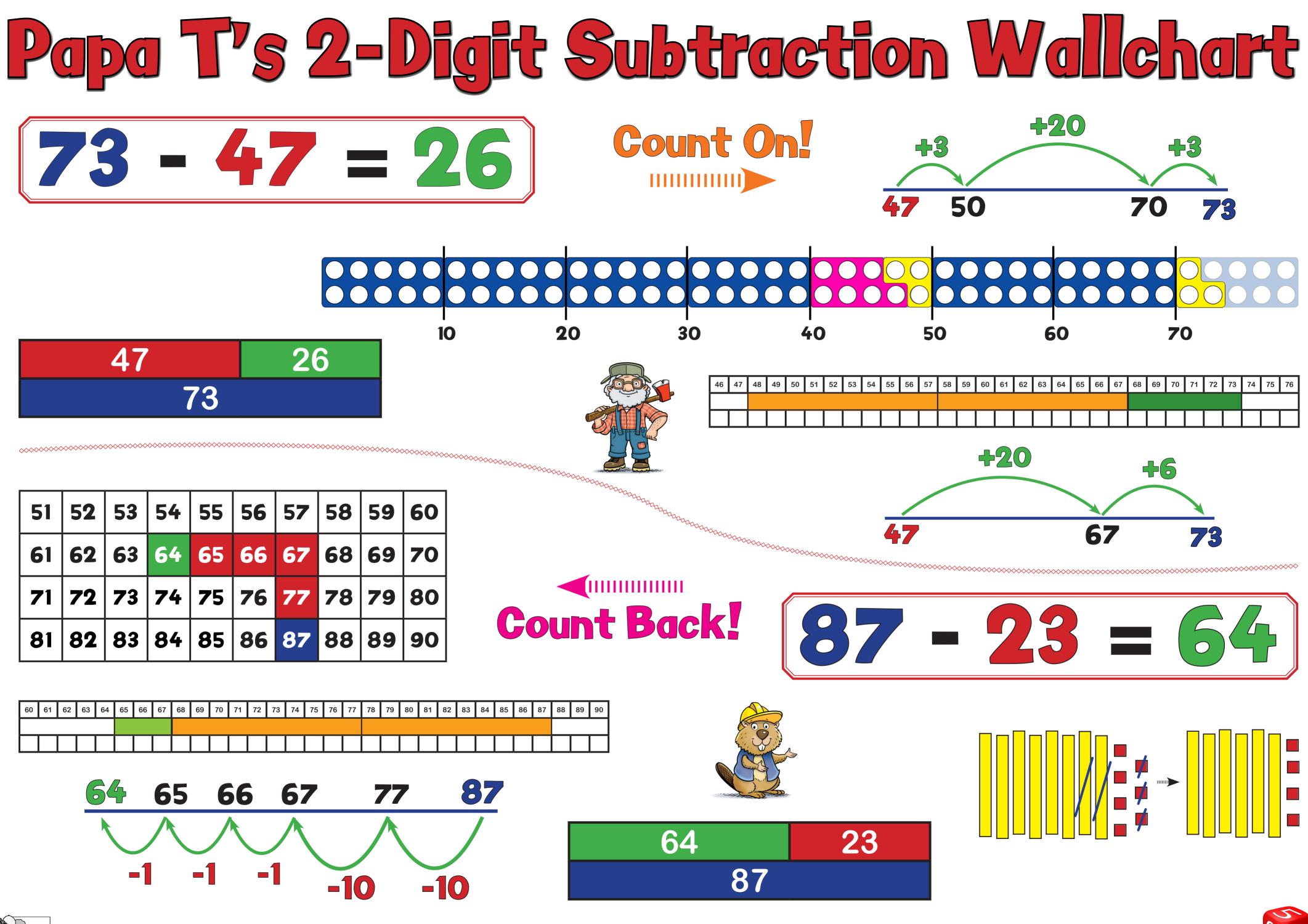






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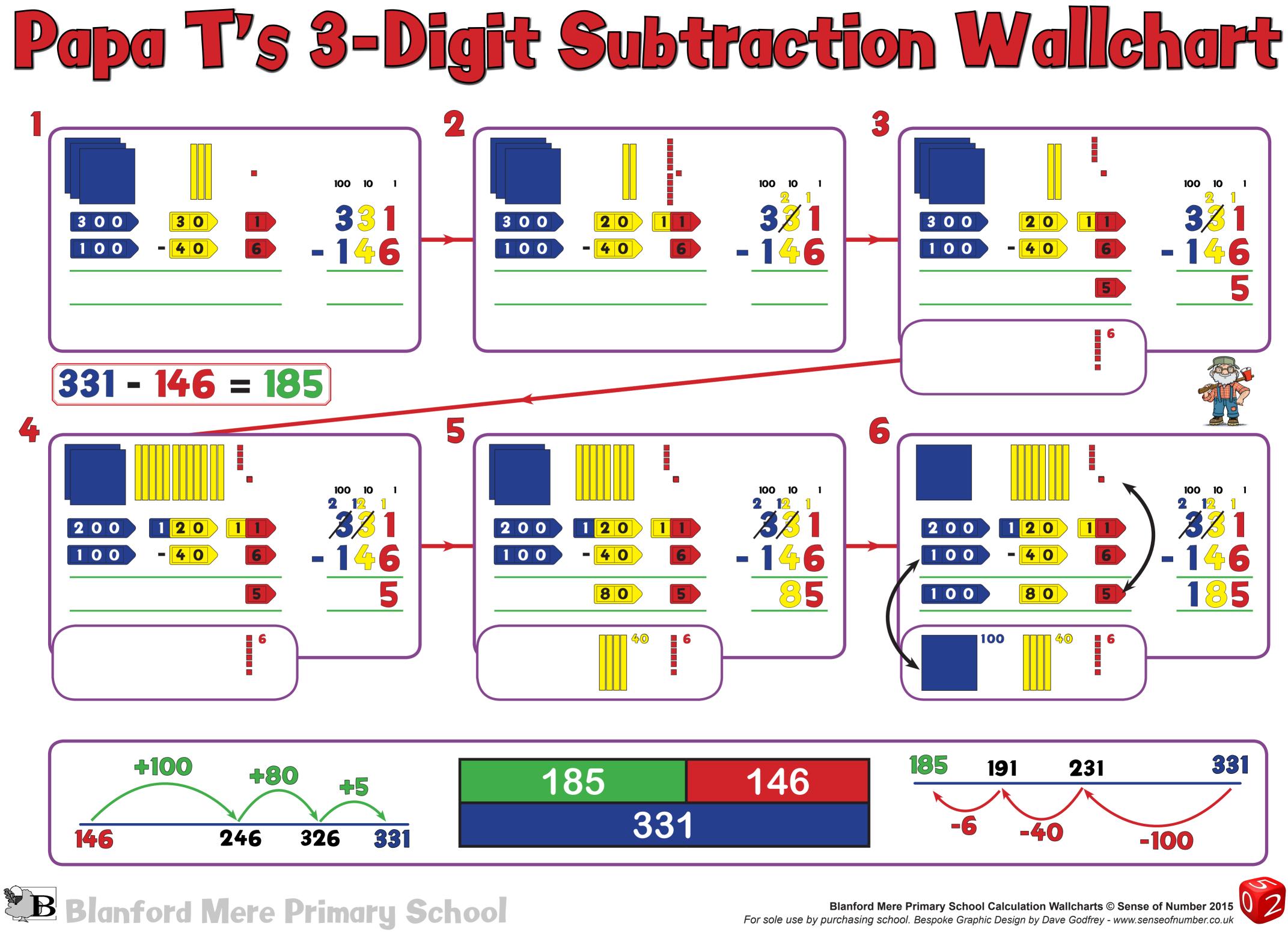
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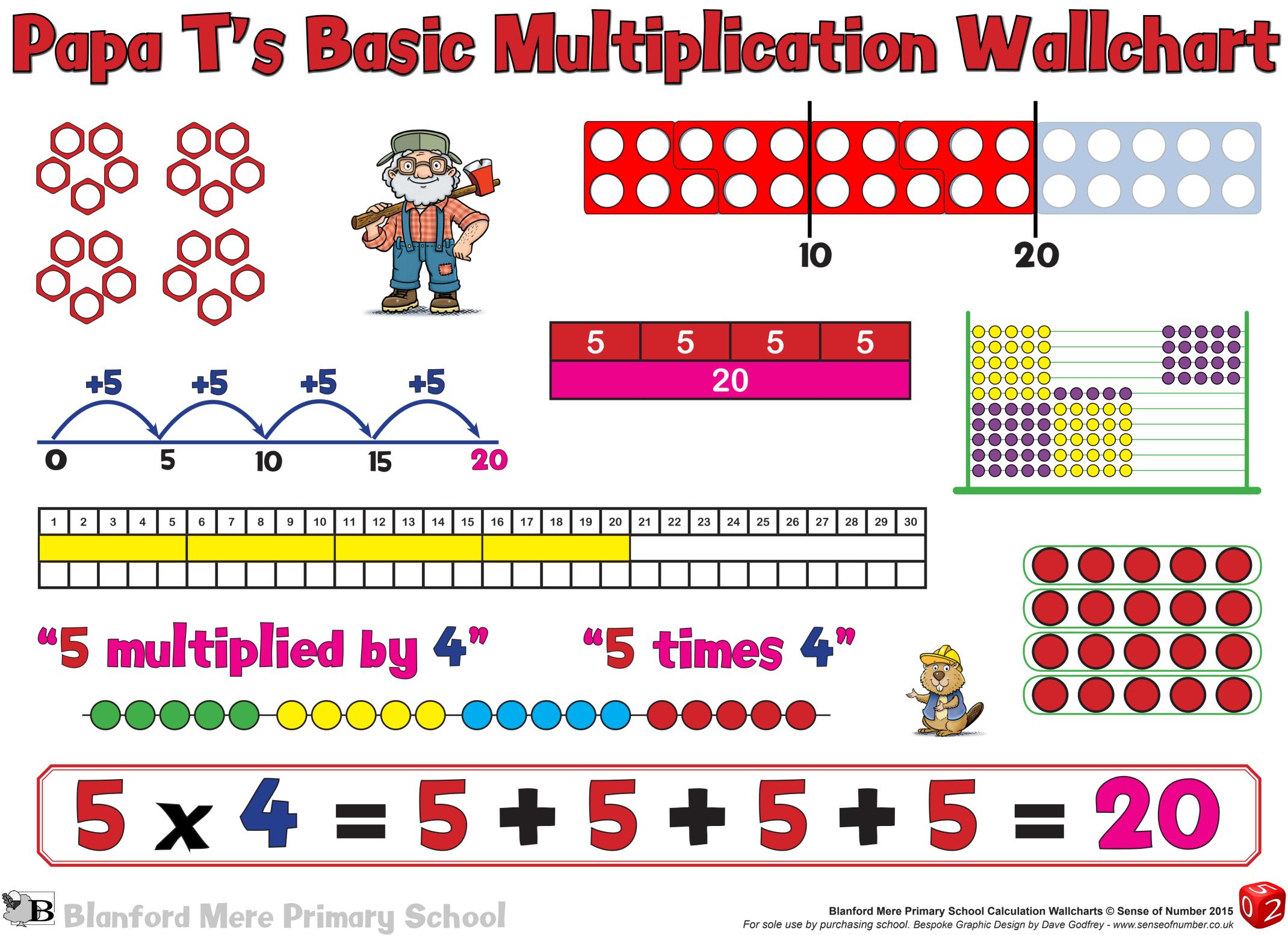


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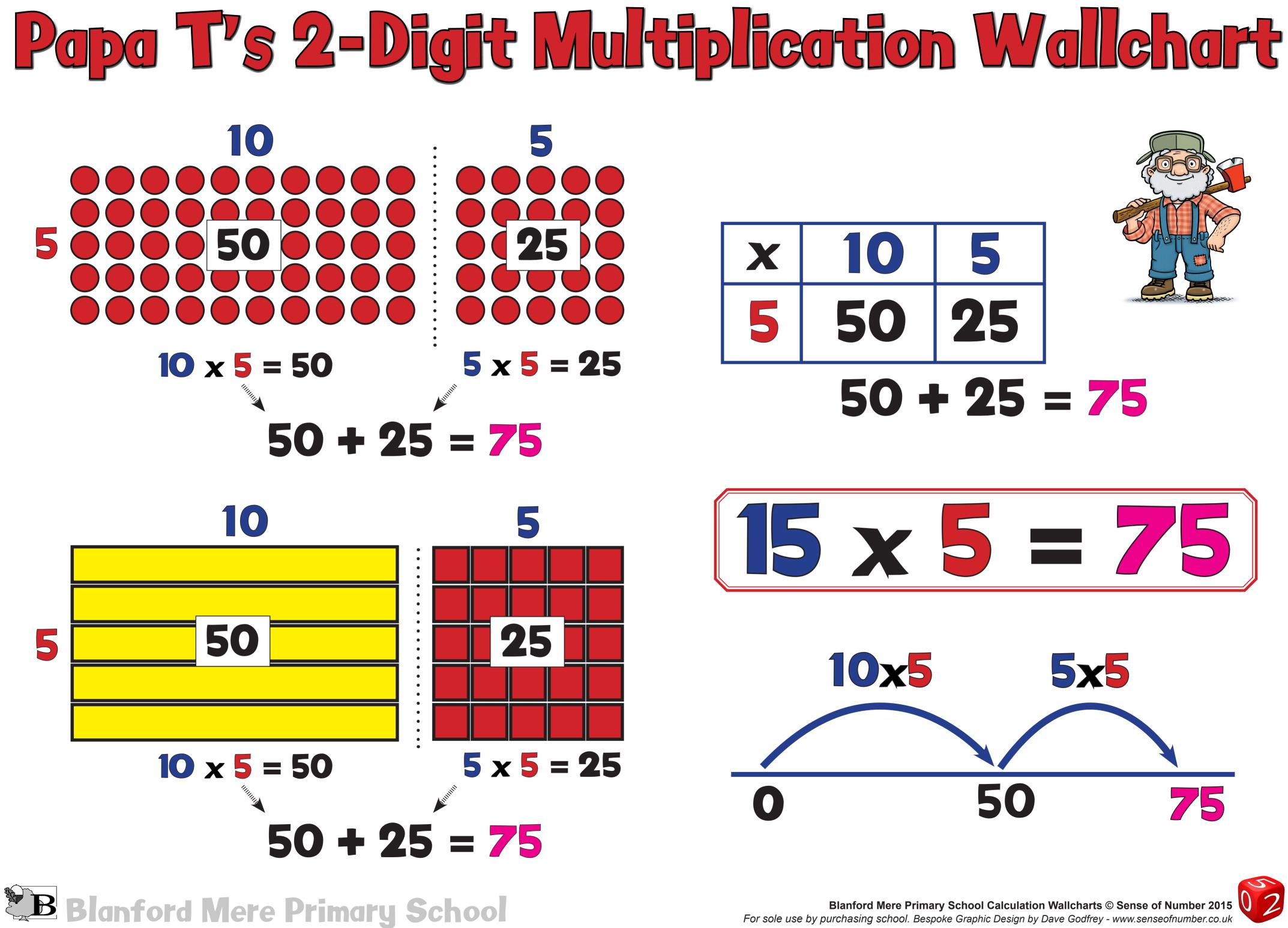
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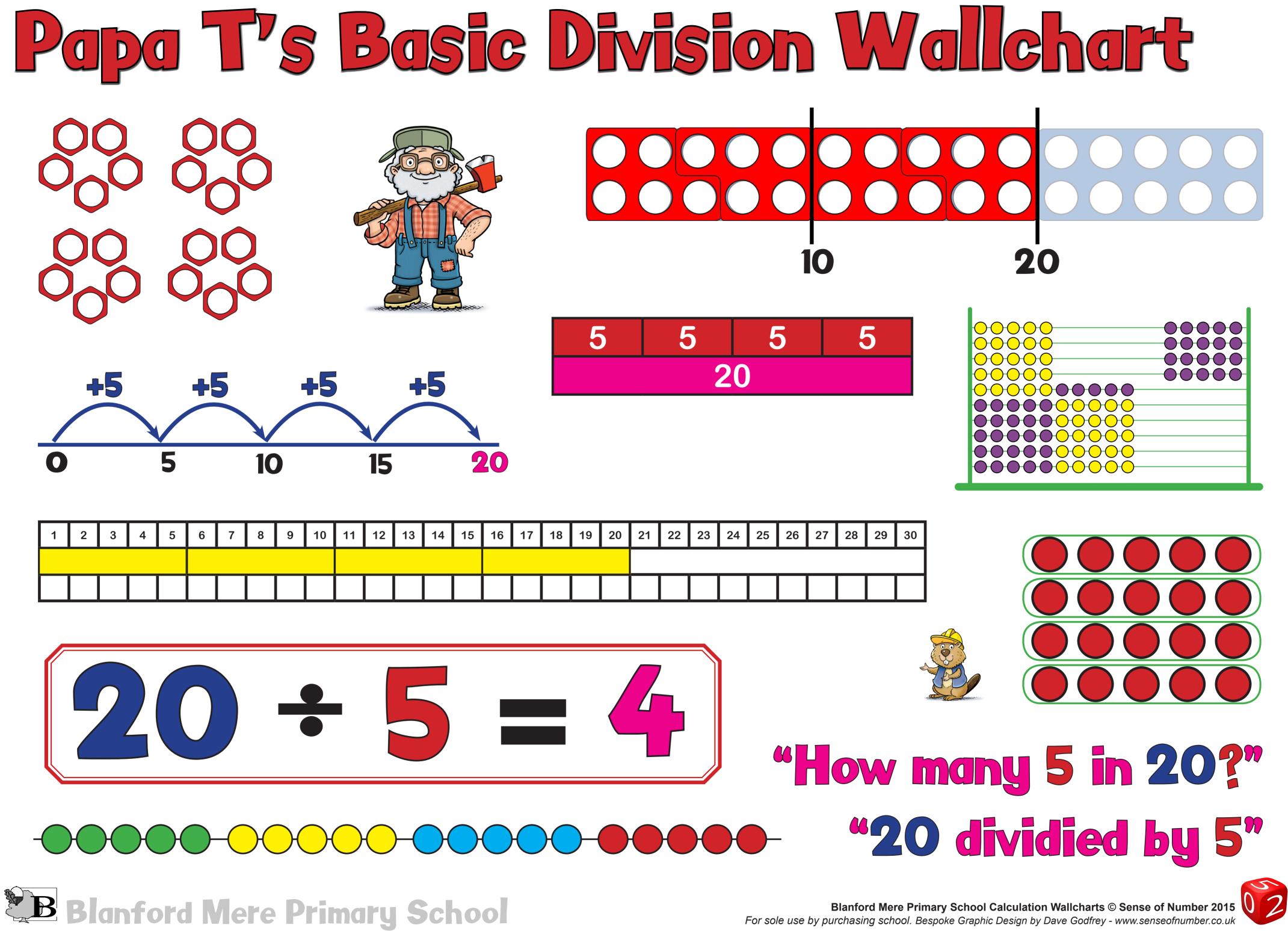


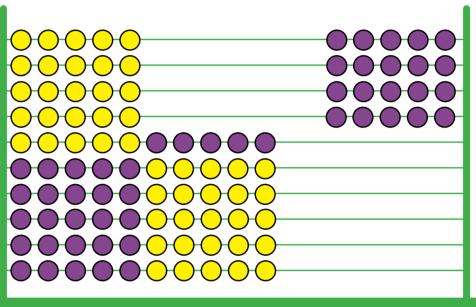
|--|--|--|

2	23	24	25	26	27	28	29	30



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2	23	24	25	26	27	28	29	30

