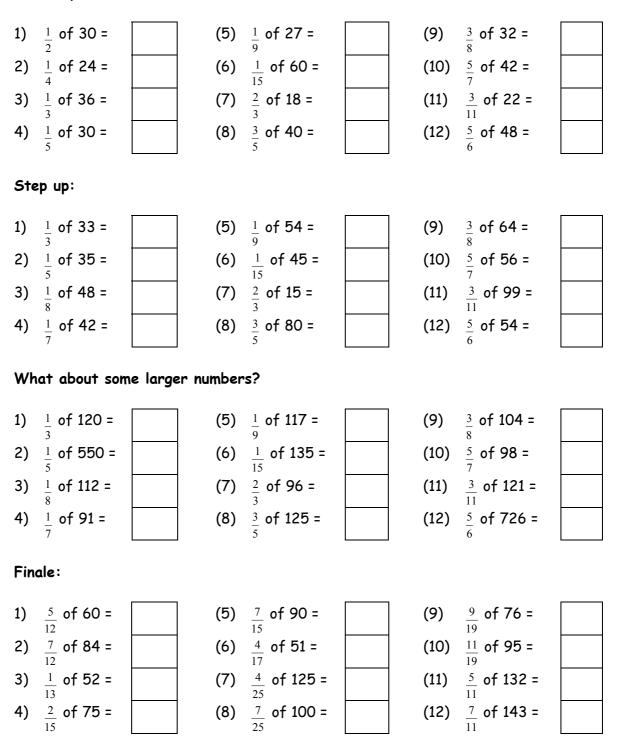
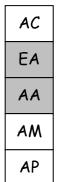
## **Birthday Cakes - Homework**

I am learning to use multiplication to find a fraction of a set

Remember, we solve problems like this by thinking about dividing and multiplying. e.g.  $\frac{2}{9}$  of 27 means:  $27 \div 9 = 3$ ,  $2 \times 3 = 6$ 

Warm up - Fill the boxes with the correct answers:





## **Birthday Cakes – Homework Sheet Answers**

Warm up - Fill the boxes with the correct answers:

1)	$\frac{1}{2}$ of 30 =	15	(5) $\frac{1}{9}$ of 27 =	3	(9) $\frac{3}{8}$ of 32 =	12
2)	$\frac{1}{4}$ of 24 =	6	(6) $\frac{1}{15}$ of 60 =	4	(10) $\frac{5}{7}$ of 42 =	30
3)	$\frac{1}{3}$ of 36 =	12	(7) $\frac{2}{3}$ of 18 =	12	(11) $\frac{3}{11}$ of 22 =	6
4)	$\frac{1}{5}$ of 30 =	6	(8) $\frac{3}{5}$ of 40 =	24	(12) $\frac{5}{6}$ of 48 =	40

Step up:

1)	$\frac{1}{3}$ of 33 =	11	(5) <u>1</u> of 54 =	6	(9) $\frac{3}{8}$ of 64 =	24
2)	1/5 of 35 =	7	(6) <u>1</u> of 45 =	3	(10) $\frac{5}{7}$ of 56 =	40
3)	$\frac{1}{8}$ of 48 =	6	(7) $\frac{2}{3}$ of 15 =	10	(11) $\frac{3}{11}$ of 99 =	27
4)	$\frac{1}{7}$ of 42 =	6	(8) $\frac{3}{5}$ of 80 =	48	(12) $\frac{5}{6}$ of 54 =	45

## What about some larger numbers?

2) $\frac{1}{5}$ of 550 = 110 (6) $\frac{1}{15}$ of 135 = 9 (10) $\frac{5}{7}$ of 98 = 70 3) $\frac{1}{8}$ of 112 = 14 (7) $\frac{2}{3}$ of 96 = 64 (11) $\frac{3}{11}$ of 121 = 33	1) $\frac{1}{3}$ of 120 =	40	(5) $\frac{1}{9}$ of 117 =	13	(9) $\frac{3}{8}$ of 104 =	39
	2) $\frac{1}{5}$ of 550 =	110	(6) $\frac{1}{15}$ of 135 =	9	(10) $\frac{5}{7}$ of 98 =	70
	3) $\frac{1}{8}$ of 112 =	14	(7) $\frac{2}{3}$ of 96 =	64	(11) $\frac{3}{11}$ of 121 =	33
4) $\frac{1}{7}$ of 91 = <b>13</b> (8) $\frac{3}{5}$ of 125 = <b>75</b> (12) $\frac{5}{6}$ of 726 = <b>60</b>	4) $\frac{1}{7}$ of 91 =	13	(8) $\frac{3}{5}$ of 125 =	75	(12) $\frac{5}{6}$ of 726 =	605

Finale:

1)	$\frac{5}{12}$ of 60 =	25
2)	$\frac{7}{12}$ of 84 =	49
3)	$\frac{1}{13}$ of 52 =	4
4)	$\frac{2}{15}$ of 75 =	10

(5)	$\frac{7}{15}$ of 90 =	42
(6)	$\frac{4}{17}$ of 51 =	12
(7)	$\frac{4}{25}$ of 125 =	20
(8)	$\frac{7}{25}$ of 100 =	28

(9)	9/19 of 76 =	36
(10)	11/19 of 95 =	55
(11)	$\frac{5}{11}$ of 132 =	60
(12)	$\frac{7}{11}$ of 143 =	91