Division HTO ÷ TO using the expanded written method

- Use the expanded written method of long division to calculate HTO ÷ TO
- Estimate and check the answer to a calculation



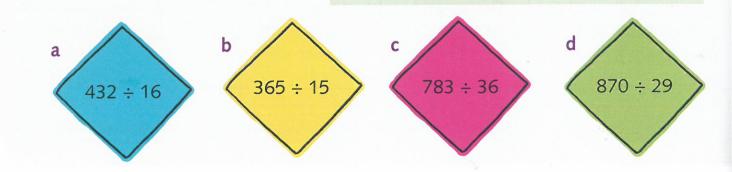


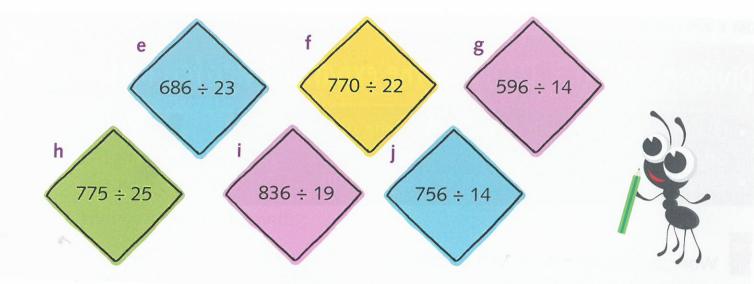
Work out the answer to each calculation.

1 a	26 × 3	2 a	37 × 8	3	a	19 × 6	4	a	45 × 7	5 a	84 × 9
b	26 × 30	b	37 × 80		b	19 × 60		b	45 × 70	b	84 × 90
6 a	63 × 4	7 a	90 × 7	8	а	28 × 5	9	а	33 × 6	10a	9 × 54
						28 × 50			33 × 60		90 × 54
D	63 × 40	D	90 × 70		D	28 × 30		D	33 X 00	D	90 x 94
11a	7 × 42	12a	58 × 6	13	a	8 × 81	14	la	5 × 11	15a	71 × 4
b	70 × 42	b	60 × 58		b	81 × 80		b	50 × 11	b	40 × 71



For each division calculation write your estimate, then use the expanded written method to work out the answer. Record any remainders as a fraction. Be sure to compare your answer with your estimate.





- 2 Play this game with a partner.
 - Choose one number from each box.
 - Divide the 3-digit number by the 2-digit number, and write the answer as a whole number.
 - Your score is the remainder.
 - Your partner checks your working, then takes a turn to choose a different pair of numbers.
 - After 4 rounds, add together all your remainders.
 The winner is the player with the largest total.

924 561	349 294
373 835	573 602
256 787	136 728
162 448	615 819

26	54	45	97	
62	89	73	38	
17	43	84	99	
64	51	32	76	

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- 1 Find the answer to each of these problems.
- a If a plane travels at 506 miles per hour, how far would it travel in 1 minute?
- b A plane travels at 840 km per hour. If it is 196 km east of its destination, how long will it take to reach the destination?
- c A car uses 882 litres of petrol in a fortnight. How many litres does it use on average per day?
- d The total bill for 24 nights hotel accommodation is £936. How much does it cost per night?
- 2 Write down five situations when you would need to divide to find the answer.

