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PRIMARY SCHOOL

Mathematics: Year 6

Word Problems

Use a formal method to calculate the answers to these questions.

1. There are 15 biscuits in a packet. A shop orders 156 packets. How many biscuits will be in the 156 packets?

2. A school buys 172 boxes of pencils. Each box has 12 pencils. How many pencils has the school bought?

3. A wholesaler sells apples for 17p each. A grocer buys 197 apples. How much will they cost?

4. It takes 18 minutes to make a toy car. How many minutes will it take to make 205 cars?

5. A machine makes 16 dice in a minute. A working day is 264 minutes. How many dice are made in 264 minutes?

6. A cinema has 21 screens. Each screen has 297 seats. How many seats are there in the cinema?

7. Eggs are sold in trays of 24. In a week, a farmer sells 372 trays. How many eggs does he sell in one week?

8. A bag of nails contains 613 nails. A hardware store has 23 bags. How many nails are in the 23 bags?

9. There are 27 children in a class. Each child pays £7.49 for a school trip. How much do they pay altogether?

10. A football club has an average attendance of 859 people to each match. What is the total attendance for the 29 matches played in a season?

Word Problems

Use a formal method to calculate the answers to these questions.

1. There are 77 biscuits in a packet. A supermarket orders 9778 packets. How many biscuits will be in the 9778 packets?

2. A school supplier buys 5540 boxes of pencils. Each box has 56 pencils. How many pencils has the supplier bought?

3. A wholesaler sells pineapples for 96p each. The wholesaler sells 3990 pineapples in one week. How much money will the wholesaler receive for the pineapples?

4. It takes 78 hours for a satellite to go around the Earth. How many hours will it take for the satellite to go around the Earth 9859 times?

5. A machine makes 8521 dice in a week. In a 52-week working year, how many dice are made in a year?

6. A cinema chain has 28 cinemas. The average weekly attendance is 9828 people. What is the total attendance across the whole chain?

7. Sacks of potatoes contain an average of 95 potatoes. In a year, a farmer sells 4911 sacks. How many potatoes does she sell in one year?

8. A crate of screws contains 5193 nails. A DIY chain orders 52 crates for all its stores. How many nails are in the 52 crates?

9. There are 43 children in year 6. Each child pays £75.60 for a school trip. How much do they pay altogether?

10. A rugby club has an average attendance of 6962 people to each match. What is the total attendance for the 39 matches played in a season?

Word Problems

Use a formal method to calculate the answers to these questions.

1. There are 17 biscuits in a packet and 3 packets in a box. A supermarket orders 15 379 boxes. How many biscuits will be in the 15 379 boxes?

2. A factory makes nine crates of 38628 pencils on each of the five working days of the week. How many pencils are made each week?

3. A wholesaler sells mangoes for 84p each. The wholesaler sells 13 330 mangoes in one week. How much money will the wholesaler receive for the mangoes?

4. It takes one hour less than 2 days for a satellite to go around the Earth. How many hours will it take for the satellite to go around the Earth 23 988 times? Calculate how many days and how many weeks this will be. Estimate the number of years this will be to the nearest year.

5. A machine makes 60 802 bottle tops in a week. In a 52-week working year, how many bottle tops are made in a year?

6. A cinema has an average weekly attendance of 24 356 people. The average ticket sales are £5 per ticket. What is the total income in a 13-week quarterly period?

7. Bags of potatoes contains an average of 33 potatoes. In a year, a farmer sells 58 716 bags. How many potatoes does she sell in one year?

8. A factory makes 63 957 nails each day. How many nails are made in January and February 2017, when the factory is open every day?

9. There are 22 children on a school visit to France. Each child pays £333.18 for the school visit. How much do they pay altogether?

10. A football club has an average attendance of 37 834 people to each match. What is the total attendance for the 28 matches played in a season?

52	25	37	59	97	74	61	34
-29	-22	-36	-40	-91	-37	-30	-25

28	32	45	68	50	79	36	31
-24	-25	-37	-53	-23	-75	-36	-27

69	89	80	100	37	39	69	81
-68	-59	-54	-69	-25	-23	-43	-33

61	21	37	55	90	74	38	53
-61	-20	-29	-42	-76	-24	-35	-35

36	51	57	90	46	54	83	56
-22	-31	-51	-58	-44	-51	-78	-45

45	69	39	37	66	91	47	44
-45	-33	-24	-27	-59	-29	-37	-36

52	76	56	85	56	62	69	69
-40	-30	-29	-49	-23	-25	-49	-43

$8 \overline{)5368}$ $5 \overline{)530}$ $2 \overline{)392}$ $6 \overline{)2862}$

$7 \overline{)3437}$ $3 \overline{)2271}$ $5 \overline{)4185}$ $5 \overline{)2965}$

$4 \overline{)1988}$ $3 \overline{)732}$ $9 \overline{)6516}$ $9 \overline{)5904}$

$4 \overline{)1608}$ $6 \overline{)2460}$ $8 \overline{)7312}$ $6 \overline{)5412}$

$4 \overline{)3948}$ $2 \overline{)898}$ $7 \overline{)4564}$ $3 \overline{)1017}$

Bus Stop Method Division: 4-Digit Numbers by 1-Digit Numbers

LO: I can use a formal method of division.

1. $1047 \div 3 =$

2. $2456 \div 4 =$

3. $3295 \div 5 =$

4. $2784 \div 4 =$

5. $1011 \div 3 =$

6. $2780 \div 5 =$

7. $1564 \div 2 =$

8. $2244 \div 4 =$

9. $1944 \div 3 =$

10. $3150 \div 5 =$

11. $2028 \div 4 =$

12. $3816 \div 6 =$

13. $2696 \div 8 =$

14. $3348 \div 6 =$

15. $5280 \div 8 =$

16. $1892 \div 4 =$

17. $3744 \div 6 =$

18. $1880 \div 4 =$

19. $4592 \div 8 =$

20. $2922 \div 6 =$

21. $4878 \div 9 =$

22. $4655 \div 7 =$

23. $2292 \div 6 =$

24. $4529 \div 7 =$

25. $4419 \div 9 =$
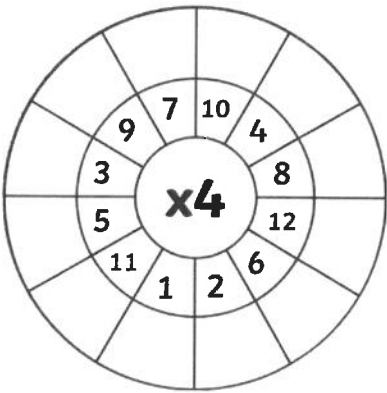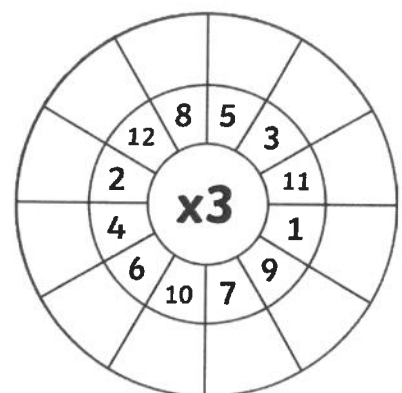
26. $4200 \div 8 =$
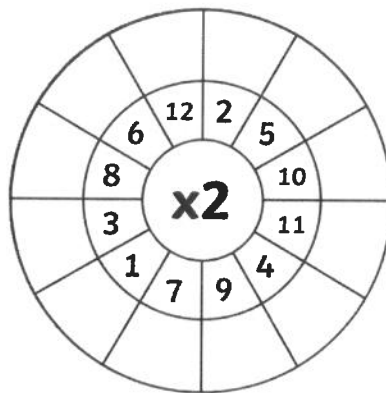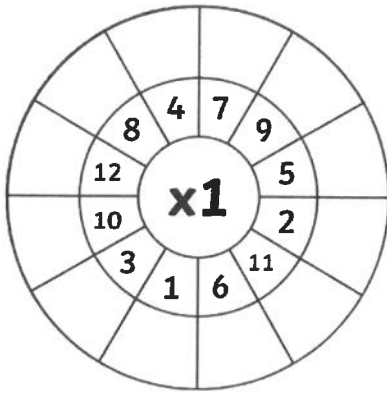
27. $3801 \div 7 =$

28. $3402 \div 6 =$
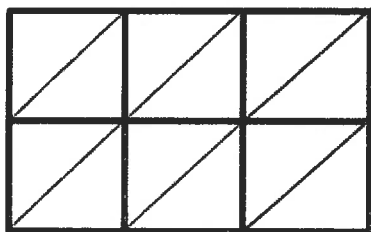
29. $4851 \div 9 =$

30. $3248 \div 7 =$

Multiplication Wheels

Multiply the numbers by the middle number.
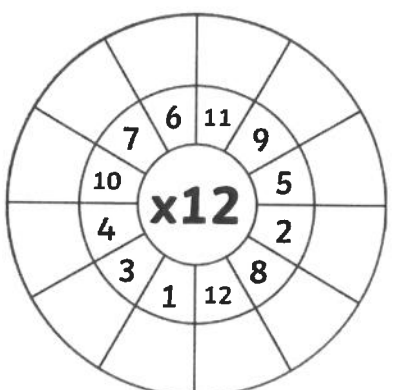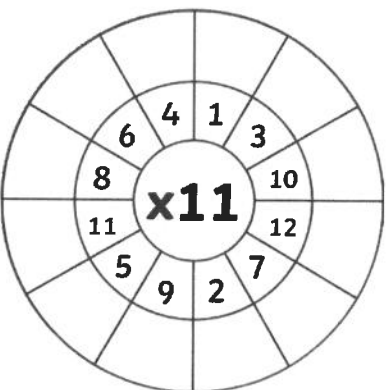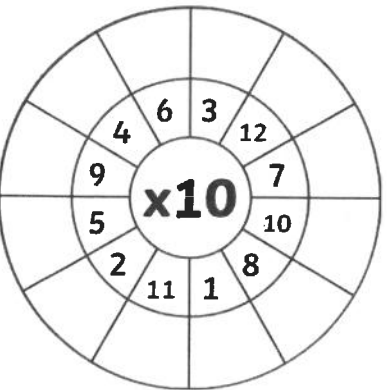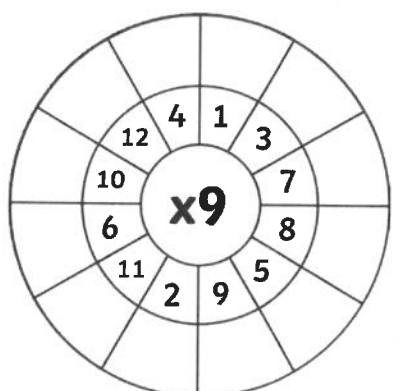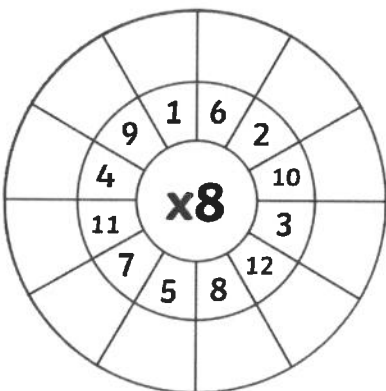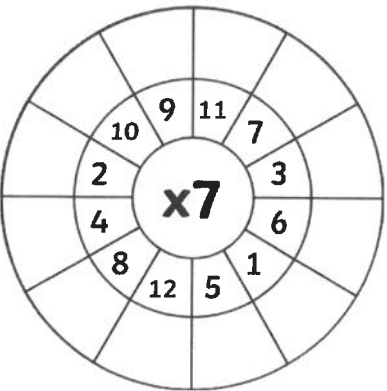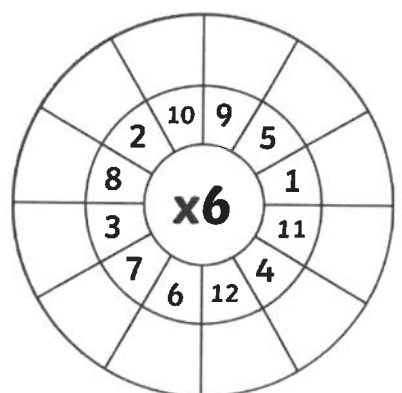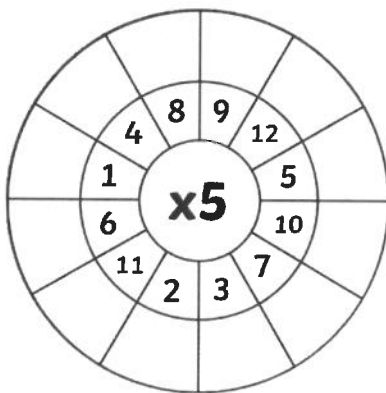
Solve 642 x 14
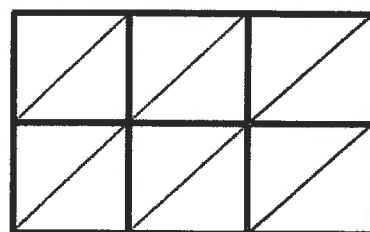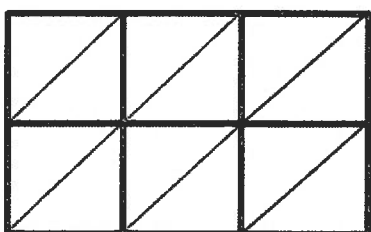

Solve 362 x 16

Solve 543 x 13

Solve 452 x 15
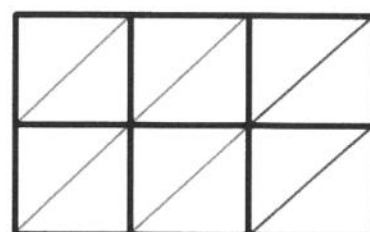
Solve 324 x 15
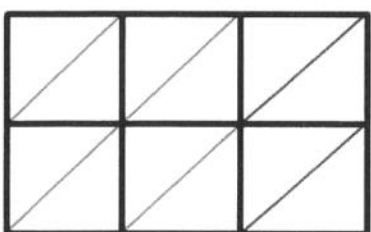
Solve 221 x 14
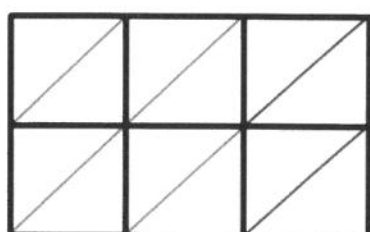
7 x6	11 x7	9 x0	11 x1	12 x7
12 x5	5 x7	6 x5	12 x2	4 x7
2 x6	6 x5	6 x0	5 x1	5 x10
7 x2	7 x0	5 x4	9 x9	10 x0
4 x9	4 x9	5 x0	4 x1	6 x4
12 x4	8 x6	8 x1	10 x10	5 x5
3 x1	5 x5	9 x4	6 x4	5 x1
10 x9	9 x6	3 x9	8 x0	10 x10
4 x3	6 x7	12 x2	7 x7	3 x9

Write the place value of the underlined
number

7<u>3</u>91 _   47<u>9</u>7 _   2<u>6</u>59 _

5<u>7</u>02 _   1<u>0</u>55 _   11<u>1</u> _

<u>2</u>237 _   67<u>7</u> _   <u>6</u>848 _

43<u>9</u> _   9<u>1</u>76 _   <u>3</u>985 _

<u>2</u>312 _   490<u>2</u> _   89<u>8</u>1 _

390<u>9</u> _   3<u>7</u>11 _   45<u>8</u>9 _

449<u>1</u> _   6<u>1</u>50 _   45<u>9</u>9 _

51<u>0</u>8 _   7<u>7</u>49 _   <u>3</u>17 _