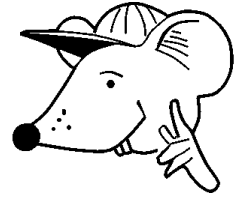




MATHEMATICS



N.S. Yr. 3 P.57

Multiply and divide mentally

Equipment

Paper, pencil, ruler

MathSphere

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Concepts

All of the work in this module is re-inforcement of year 2 work, or is also covered in other modules. However, the more practice, the better.

Concepts covered include:

1. multiplying a single digit by 1, 10 or 100
2. dividing a three digit multiple of 100 by 1, 10 or 100
3. doubling multiples of 5 – exactly as for year 2, but children should now be more confident.
4. halving multiples of 10 and 100
5. multiplying a two digit multiple of 10 by 2, 3, 4, 5
6. multiply a two digit number by 2, 3, 4 or 5

Multiply by 10 and 100

Remember what you have learnt about multiplying by ten and one hundred. Try these to keep you on your toes!

1. $8 \times 10 =$

2. $7 \times 100 =$

3. $0 \times 10 =$

4. $3 \times 100 =$

5. $7 \times 10 =$

6. $6 \times 100 =$

7. $3 \times 10 =$

8. $9 \times 100 =$

9. $9 \times 10 =$

10. $2 \times 100 =$

11. $4 \times 10 =$

12. $8 \times 100 =$

13. $6 \times 10 =$

14. $5 \times 100 =$

Multiply by 10 and 100

Whizz through these – remember,
you do not add a nought!
Move the units one place to the
left etc.....

1. $9 \times 10 =$

2. $8 \times 100 =$

3. $1 \times 10 =$

4. $7 \times 100 =$

5. $8 \times 10 =$

6. $5 \times 100 =$

7. $3 \times 10 =$

8. $9 \times 100 =$

9. $7 \times 10 =$

10. $6 \times 100 =$

11. $2 \times 10 =$

12. $10 \times 100 =$

13. $5 \times 10 =$

14. $4 \times 100 =$

**Multiply by 10 and 100**

Take care and I'm sure you will get all these correct.

1. $10 \times \square = 90$

2. $100 \times \square = 300$

3. $10 \times \square = 60$

4. $100 \times \square = 400$

5. $\square \times 10 = 10$

6. $\square \times 9 = 900$

7. $\square \times 10 = 50$

8. $\square \times 2 = 200$

9. $10 \times \square = 20$

10. $8 \times \square = 800$

11. $7 \times \square = 70$

12. $100 \times \square = 500$

**Multiply by 10 and 100**

Some of these answers are getting quite big – nearly a thousand!

1. $10 \times \square = 0$

2. $100 \times \square = 900$

3. $10 \times \square = 60$

4. $100 \times \square = 500$

5. $\square \times 10 = 40$

6. $\square \times 8 = 800$

7. $\square \times 10 = 90$

8. $\square \times 6 = 600$

9. $10 \times \square = 10$

10. $7 \times \square = 700$

11. $8 \times \square = 80$

12. $4 \times \square = 400$

Divide by 10 and 100

Remember, division is the reverse of multiplication.
Try these

1. $40 \div 10 = \square$

2. $900 \div 100 = \square$

3. $100 \div 10 = \square$

4. $500 \div 100 = \square$

5. $60 \div 10 = \square$

6. $700 \div 100 = \square$

7. $20 \div 10 = \square$

8. $100 \div 100 = \square$

9. $30 \div 10 = \square$

10. $800 \div 100 = \square$

11. $80 \div 10 = \square$

12. $200 \div 100 = \square$

13. $50 \div 10 = \square$

14. $300 \div 100 = \square$

Divide by 10 and 100

Teacher: why can't you
ever answer my questions?
*Pupil: because you told me
not to answer you back!*

1. $50 \div 10 = \square$

2. $100 \div 100 = \square$

3. $10 \div 10 = \square$

4. $600 \div 100 = \square$

5. $70 \div 10 = \square$

6. $800 \div 100 = \square$

7. $30 \div 10 = \square$

8. $200 \div 100 = \square$

9. $40 \div 10 = \square$

10. $900 \div 100 = \square$

11. $90 \div 10 = \square$

12. $300 \div 100 = \square$

13. $60 \div 10 = \square$

14. $400 \div 100 = \square$

Double multiples of 5

You've doubled multiples of 5 before, so these shouldn't be too tricky!

1. $15 \times 2 =$

2. $2 \times 30 =$

3. $25 \times 2 =$

4. $2 \times 50 =$

5. $45 \times 2 =$

6. $2 \times 35 =$

7. $50 \times 2 =$

8. $2 \times 40 =$

9. $30 \times 2 =$

10. $2 \times 25 =$

11. $60 \times 2 =$

12. $2 \times 45 =$

13. $10 \times 2 =$

14. $2 \times 20 =$

Double multiples of 5

I bet you are getting really good at these by now. How many do you know off by heart?

1. $35 \times 2 =$

2. $2 \times 15 =$

3. $45 \times 2 =$

4. $2 \times 40 =$

5. $30 \times 2 =$

6. $2 \times 50 =$

7. $10 \times 2 =$

8. $2 \times 25 =$

9. $15 \times 2 =$

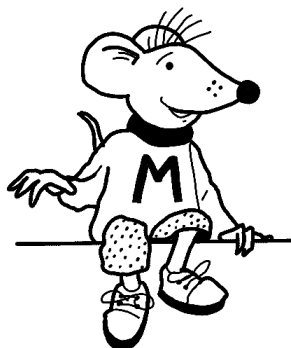
10. $2 \times 45 =$

11. $55 \times 2 =$

12. $2 \times 35 =$

13. $20 \times 2 =$

14. $2 \times 10 =$

Doubling multiples of five

Doubling is coming up again!

This time it's all multiples of 5 – pretty hard stuff!

1. $15 \times \square = 30$

2. $5 \times \square = 10$

3. $2 \times \square = 70$

4. $2 \times \square = 50$

5. $\square \times 2 = 60$

6. $\square \times 2 = 90$

7. $\square \times 2 = 40$

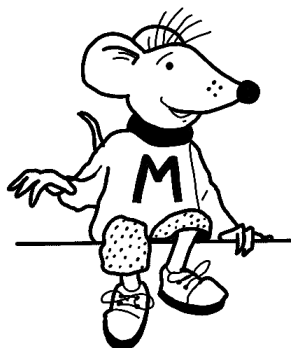
8. $\square \times 2 = 80$

9. $2 \times \square = 20$

10. $2 \times \square = 100$

11. $2 \times \square = 30$

12. $2 \times \square = 90$

Doubling multiples of five

Doubling multiples of 5 again.

I think I had better get off the fence soon!

1. $25 \times \square = 50$

2. $10 \times \square = 20$

3. $2 \times \square = 50$

4. $2 \times \square = 60$

5. $\square \times 2 = 70$

6. $\square \times 2 = 30$

7. $\square \times 2 = 80$

8. $\square \times 2 = 20$

9. $2 \times \square = 40$

10. $2 \times \square = 90$

11. $2 \times \square = 10$

12. $2 \times \square = 70$

Halving multiples of ten

Halving , but they are all multiples of ten, so not too bad, eh!

1. $70 \div 2 = \square$

2. $50 \div 2 = \square$

3. $90 \div 2 = \square$

4. $60 \div 2 = \square$

5. $20 \div 2 = \square$

6. $40 \div 2 = \square$

7. $30 \div 2 = \square$

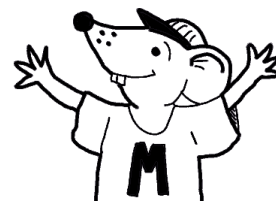
8. $80 \div 2 = \square$

9. What is one half of 70 ?

10. What is one half of 50 ?

Multiply a two digit multiple of 10 by 2,3,4,5 or 10

Brilliant tables practice – if you know your tables you will be able to do these really quickly.



1. $20 \times 2 = \square$

2. $3 \times 30 = \square$

3. $40 \times 3 = \square$

4. $4 \times 50 = \square$

5. $50 \times 4 = \square$

6. $2 \times 40 = \square$

7. $40 \times 4 = \square$

8. $5 \times 30 = \square$

9. $50 \times 5 = \square$

10. $3 \times 20 = \square$

11. $50 \times 10 = \square$

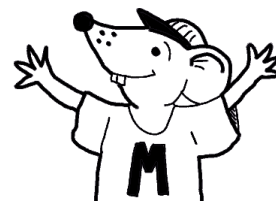
12. $10 \times 20 = \square$

13. $30 \times 2 = \square$

14. $2 \times 10 = \square$

Multiply a two digit multiple of 10 by 2,3,4,5 or 10

Put your 'times ten' skills with your tables knowledge for really fast results!



1. $20 \times 3 = \square$

2. $4 \times 30 = \square$

3. $40 \times 4 = \square$

4. $5 \times 50 = \square$

5. $50 \times 5 = \square$

6. $3 \times 40 = \square$

7. $40 \times 5 = \square$

8. $2 \times 30 = \square$

9. $50 \times 2 = \square$

10. $4 \times 20 = \square$

11. $30 \times 10 = \square$

12. $10 \times 40 = \square$

13. $10 \times 3 = \square$

14. $4 \times 10 = \square$

Tables time

1. $32 \times 3 =$

2. $24 \times 2 =$

3. $11 \times 4 =$

4. $31 \times 3 =$

5. $45 \times 2 =$

6. $22 \times 2 =$

7. $12 \times 5 =$

8. $34 \times 2 =$

9. $33 \times 3 =$

10. $21 \times 4 =$

11. $11 \times 5 =$

12. $43 \times 2 =$

Tables time

1. $22 \times 3 =$

2. $35 \times 2 =$

3. $12 \times 4 =$

4. $21 \times 5 =$

5. $44 \times 2 =$

6. $23 \times 2 =$

7. $21 \times 3 =$

8. $43 \times 2 =$

9. $13 \times 3 =$

10. $15 \times 2 =$

11. $11 \times 3 =$

12. $22 \times 4 =$

Tables time

$$1. 33 = 11 \times$$

$$2. 48 = 24 \times$$

$$3. 55 = 11 \times$$

$$4. 24 = 12 \times$$

$$5. 63 = 21 \times$$

$$6. 90 = 45 \times$$

$$7. 46 = 2 \times$$

$$8. 88 = 4 \times$$

$$9. 26 = 2 \times$$

$$10. 93 = 3 \times$$

$$11. 44 = 4 \times$$

$$12. 86 = 2 \times$$

Tables time

$$1. 96 = 32 \times$$

$$2. 88 = 44 \times$$

$$3. 60 = 12 \times$$

$$4. 66 = 22 \times$$

$$5. 64 = 32 \times$$

$$6. 99 = 33 \times$$

$$7. 68 = 2 \times$$

$$8. 50 = 2 \times$$

$$9. 82 = 2 \times$$

$$10. 69 = 3 \times$$

$$11. 50 = 5 \times$$

$$12. 84 = 4 \times$$

Answers**Page 3**

1. 80	2. 700	3. 0	4. 300	5. 70	6. 600	7. 30
8. 900	9. 90	10. 200	11. 40	12. 800	13. 60	14. 500

Page 4

1. 90	2. 800	3. 10	4. 700	5. 80	6. 500	7. 30
8. 900	9. 70	10. 600	11. 20	12. 1000	13. 50	14. 400

Page 5

1. 9	2. 3	3. 6	4. 4	5. 1	6. 100	7. 5	8. 100	9. 2	10. 100	11. 10	12. 5
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Page 6

1. 0	2. 9	3. 6	4. 5	5. 4	6. 100	7. 9	8. 100	9. 1	10. 100	11. 10	12. 100
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Page 7

1. 4	2. 9	3. 10	4. 5	5. 6	6. 7	7. 2
8. 1	9. 3	10. 8	11. 8	12. 2	13. 5	14. 3

Page 8

1. 5	2. 1	3. 1	4. 6	5. 7	6. 8	7. 3
8. 2	9. 4	10. 9	11. 9	12. 3	13. 6	14. 4

Page 9

1. 30	2. 60	3. 50	4. 100	5. 90	6. 70	7. 100
8. 80	9. 60	10. 50	11. 120	12. 90	13. 20	14. 40

Page 10

1. 70	2. 30	3. 90	4. 80	5. 60	6. 100	7. 20
8. 80	9. 60	10. 50	11. 110	12. 90	13. 40	14. 20

Page 11

1. 2	2. 2	3. 35	4. 25	5. 30	6. 45	7. 20	8. 40	9. 10	10. 50	11. 15	12. 45
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Page 12

1. 2	2. 2	3. 25	4. 30	5. 35	6. 15	7. 40	8. 10	9. 20	10. 45	11. 5	12. 35
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Page 13

1. 35	2. 25	3. 45	4. 30	5. 10	6. 20	7. 15	8. 40	9. 35	10. 25
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Page 14

1. 40	2. 90	3. 120	4. 200	5. 200	6. 80	7. 160
8. 150	9. 250	10. 60	11. 500	12. 200	13. 60	14. 20

Answers continued

Page 15						
1. 60	2. 120	3. 160	4. 250	5. 250	6. 120	7. 200
8. 60	9. 100	10. 80	11. 300	12. 400	13. 30	14. 40
Page 16						
1. 96	2. 48	3. 44	4. 93	5. 90	6. 44	
7. 60	8. 68	9. 99	10. 84	11. 55	12. 86	
Page 17						
1. 66	2. 70	3. 48	4. 105	5. 88	6. 46	
7. 63	8. 86	9. 39	10. 30	11. 33	12. 88	
Page 18						
1. 3	2. 2	3. 5	4. 2	5. 3	6. 2	
7. 23	8. 22	9. 13	10. 31	11. 11	12. 43	
Page 19						
1. 3	2. 2	3. 5	4. 3	5. 2	6. 3	
7. 34	8. 25	9. 41	10. 23	11. 10	12. 21	