



MATHEMATICS



N.S. Yr. 2 P.57

Multiply and divide mentally

Equipment

Paper, pencil, ruler
Number line or times ten grid useful

MathSphere

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Concepts

This module is mainly re-inforcement of simple mental multiplication and division.

Pages on multiplying and dividing by one and ten are a good introduction to the year 3 work on place value – don't encourage children to say that multiplying by ten can be done by adding a nought – this leads to confusion later.

The doubling of multiples of 5 up to 50 looks quite hard and children should have spent some time in counting in fives and tens before attempting this.

Halving multiples of ten is also included. Once again, as with all this mental work, asking children to explain how they did the sum is very important.

Multiply by 1 and 10

Here we go! Just one times and
ten times tables - you can't go
wrong!
(We hope !)

1. $6 \times 1 =$

2. $5 \times 10 =$

3. $4 \times 1 =$

4. $8 \times 10 =$

5. $9 \times 1 =$

6. $2 \times 10 =$

7. $3 \times 1 =$

8. $9 \times 10 =$

9. $7 \times 1 =$

10. $6 \times 10 =$

11. $0 \times 1 =$

12. $3 \times 10 =$

13. $8 \times 1 =$

14. $7 \times 10 =$

Multiply by 1 and 10

Just ones and tens today. Hope you are learning these as you go along – it makes life much easier!

1. $5 \times 1 =$

2. $4 \times 10 =$

3. $2 \times 1 =$

4. $10 \times 10 =$

5. $7 \times 1 =$

6. $6 \times 10 =$

7. $4 \times 1 =$

8. $1 \times 10 =$

9. $8 \times 1 =$

10. $5 \times 10 =$

11. $1 \times 1 =$

12. $7 \times 10 =$

13. $9 \times 1 =$

14. $8 \times 10 =$

**Multiply by 1 and 10**

Be careful with these – but they are all still ones and tens, so you shouldn't have too much trouble.

1. $1 \times \square = 6$ 2. $10 \times \square = 40$

3. $1 \times \square = 9$ 4. $10 \times \square = 30$

5. $\square \times 1 = 5$ 6. $\square \times 9 = 90$

7. $\square \times 1 = 1$ 8. $\square \times 10 = 20$

9. $1 \times \square = 7$ 10. $8 \times \square = 80$

11. $2 \times \square = 2$ 12. $10 \times \square = 50$

Multiply by 1 and 10

Right! Let's see how well you do on these.

I think you will get them all correct!

1. $1 \times \square = 8$

2. $10 \times \square = 50$

3. $1 \times \square = 1$

4. $10 \times \square = 100$

5. $\square \times 1 = 4$

6. $\square \times 10 = 60$

7. $\square \times 1 = 10$

8. $\square \times 10 = 80$

9. $1 \times \square = 6$

10. $10 \times \square = 40$

11. $1 \times \square = 0$

12. $10 \times \square = 90$

Divide by 1 and 10

Here we go! Just one times and ten times tables - but it's division this time.

1. $5 \div 1 =$

2. $30 \div 10 =$

3. $8 \div 1 =$

4. $50 \div 10 =$

5. $2 \div 1 =$

6. $70 \div 10 =$

7. $6 \div 1 =$

8. $10 \div 10 =$

9. $3 \div 1 =$

10. $80 \div 10 =$

11. $10 \div 1 =$

12. $20 \div 10 =$

13. $4 \div 1 =$

14. $90 \div 10 =$

Divide by 1 and 10

Dividing again – ones and tens,
so you will fly through these in
no time.

1. $7 \div 1 =$

2. $40 \div 10 =$

3. $9 \div 1 =$

4. $60 \div 10 =$

5. $1 \div 1 =$

6. $20 \div 10 =$

7. $4 \div 1 =$

8. $50 \div 10 =$

9. $8 \div 1 =$

10. $90 \div 10 =$

11. $2 \div 1 =$

12. $30 \div 10 =$

13. $6 \div 1 =$

14. $70 \div 10 =$

Double multiples of 5

Now then – double all these multiples of 5. I bet the units will always have a 0 in – see if I am right.

1. $5 \times 2 =$

2. $2 \times 20 =$

3. $15 \times 2 =$

4. $2 \times 40 =$

5. $35 \times 2 =$

6. $2 \times 25 =$

7. $50 \times 2 =$

8. $2 \times 30 =$

9. $20 \times 2 =$

10. $2 \times 15 =$

11. $45 \times 2 =$

12. $2 \times 35 =$

13. $10 \times 2 =$

14. $2 \times 50 =$

Double multiples of 5

More doubling multiples of 5.
They are easier than they
look, so don't panic!

1. $10 \times 2 = \square$

2. $2 \times 25 = \square$

3. $20 \times 2 = \square$

4. $2 \times 45 = \square$

5. $40 \times 2 = \square$

6. $2 \times 30 = \square$

7. $5 \times 2 = \square$

8. $2 \times 35 = \square$

9. $25 \times 2 = \square$

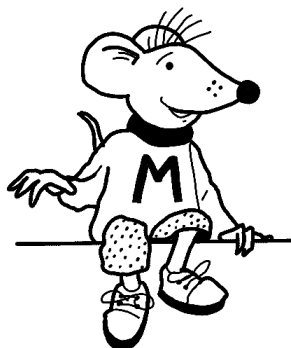
10. $2 \times 20 = \square$

11. $50 \times 2 = \square$

12. $2 \times 40 = \square$

13. $15 \times 2 = \square$

14. $2 \times 5 = \square$

Doubling multiples of five

Doubling is coming up again!

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

1. $10 \times \square = 20$ 2. $5 \times \square = 10$

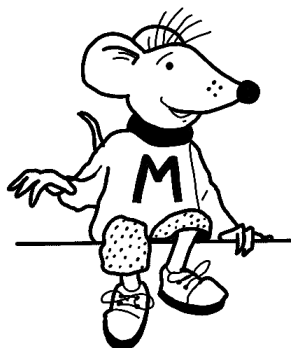
3. $2 \times \square = 30$ 4. $2 \times \square = 40$

5. $\square \times 2 = 50$ 6. $\square \times 2 = 80$

7. $\square \times 2 = 60$ 8. $\square \times 2 = 90$

9. $2 \times \square = 20$ 10. $2 \times \square = 100$

11. $2 \times \square = 50$ 12. $2 \times \square = 70$

Doubling multiples of five

Doubling multiples of 5
again.

I think these are quite hard,
but good luck!

1. $15 \times \square = 30$

2. $5 \times \square = 10$

3. $2 \times \square = 40$

4. $2 \times \square = 50$

5. $\square \times 2 = 60$

6. $\square \times 2 = 90$

7. $\square \times 2 = 70$

8. $\square \times 2 = 10$

9. $2 \times \square = 30$

10. $2 \times \square = 80$

11. $2 \times \square = 20$

12. $2 \times \square = 100$

Halving multiples of ten

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

1. $60 \div 2 = \square$

2. $40 \div 2 = \square$

3. $80 \div 2 = \square$

4. $50 \div 2 = \square$

5. $10 \div 2 = \square$

6. $30 \div 2 = \square$

7. $90 \div 2 = \square$

8. $70 \div 2 = \square$

9. What is one half of 50 ?

10. What is one half of 30 ?

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. $10 \div 2 = \square$

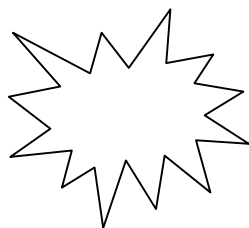
8. $80 \div 2 = \square$

9. What is one half of 30 ?

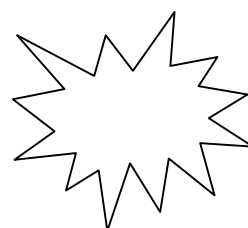
10. What is one half of 90 ?

Quick multiplication

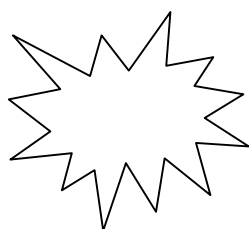
1. $2 \times 3 =$



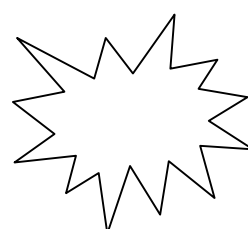
2. $4 \times 3 =$



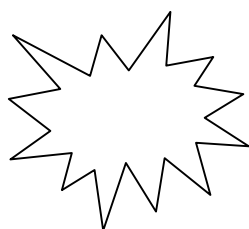
3. $3 \times 5 =$



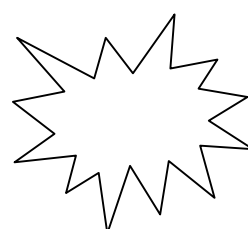
4. $5 \times 2 =$



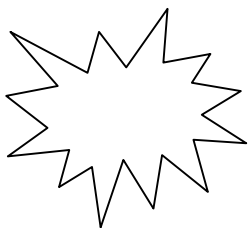
5. $2 \times 4 =$



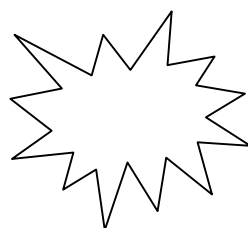
6. $4 \times 5 =$



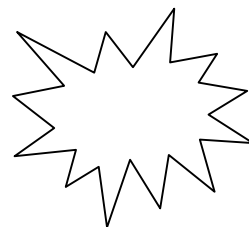
7. $4 \times 4 =$



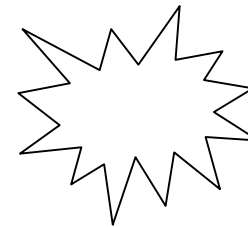
8. $3 \times 3 =$



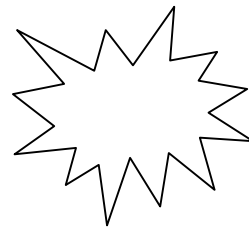
9. $5 \times 4 =$



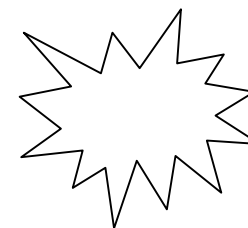
10. $3 \times 4 =$



11. $5 \times 5 =$



12. $3 \times 2 =$



Answers**Page 3**

| | | | | | | |
|-------|-------|--------|-------|--------|-------|--------|
| 1. 6 | 2. 50 | 3. 4 | 4. 80 | 5. 9 | 6. 20 | 7. 3 |
| 8. 90 | 9. 7 | 10. 60 | 11. 0 | 12. 30 | 13. 8 | 14. 70 |

Page 4

| | | | | | | |
|-------|-------|--------|--------|--------|-------|--------|
| 1. 5 | 2. 40 | 3. 2 | 4. 100 | 5. 7 | 6. 60 | 7. 4 |
| 8. 10 | 9. 8 | 10. 50 | 11. 1 | 12. 70 | 13. 9 | 14. 80 |

Page 5

| | | | | | | | | | | | |
|------|------|------|------|------|-------|------|------|------|--------|-------|-------|
| 1. 6 | 2. 4 | 3. 9 | 4. 3 | 5. 5 | 6. 10 | 7. 1 | 8. 2 | 9. 7 | 10. 10 | 11. 1 | 12. 5 |
|------|------|------|------|------|-------|------|------|------|--------|-------|-------|

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|------|------|------|-------|------|------|-------|------|------|-------|-------|-------|
| 1. 8 | 2. 5 | 3. 1 | 4. 10 | 5. 4 | 6. 6 | 7. 10 | 8. 8 | 9. 6 | 10. 4 | 11. 0 | 12. 9 |
|------|------|------|-------|------|------|-------|------|------|-------|-------|-------|

Page 7

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

Page 8

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

Page 9

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

Page 10

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

Page 11

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

Page 12

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

Page 13

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

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

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|------|-------|-------|-------|------|-------|-------|------|-------|--------|--------|-------|
| 1. 6 | 2. 12 | 3. 15 | 4. 10 | 5. 8 | 6. 20 | 7. 16 | 8. 9 | 9. 20 | 10. 12 | 11. 25 | 12. 6 |
|------|-------|-------|-------|------|-------|-------|------|-------|--------|--------|-------|