Grade 3 Division Facts Workbook

3 lessons · printable · answer key at the back

Name _____ Date _____

Contents

1-1

Dividing by 2, 5 and 10

WORKED EXAMPLE $18 \div 2 = 9$

1. Dividing by 2

Work out each quotient.

1 $2 \div 2 =$ ___

2 $6 \div 2 =$ ___

3 $12 \div 2 =$ ___

4 $8 \div 2 =$ ___

5 $4 \div 2 =$ ___

6 $14 \div 2 =$ ___

7 $20 \div 2 =$ ___

8 $10 \div 2 =$ ___

2. Dividing by 5

Work out each quotient.

9 $10 \div 5 =$ ___

10 $5 \div 5 =$ ___

11 $25 \div 5 =$ ___

12 $15 \div 5 =$ ___

13 $20 \div 5 =$ ___

14 $30 \div 5 =$ ___

15 $40 \div 5 =$ ___

16 $35 \div 5 =$ ___

17 $45 \div 5 =$ ___

18 $50 \div 5 =$ ___

3. Dividing by 10

Work out each quotient.

19 $30 \div 10 =$ ___

20 $20 \div 10 =$ ___

21 $50 \div 10 =$ ___

22 $40 \div 10 =$ ___

23 $10 \div 10 =$ ___

24 $70 \div 10 =$ ___

25 $80 \div 10 =$ ___

26 $60 \div 10 =$ ___

27 $90 \div 10 =$ ___

28 $100 \div 10 =$ ___

4. Word problems: dividing

Read each problem. Write the answer.

29 Noah packed 24 tickets into shelves of 6.

How many shelves did Noah fill?

_____

30 Marian packed 24 bread rolls into boxes of 6.

How many boxes did Marian fill?

_____

31 Rosa put 18 cookies equally into 3 trays.

How many cookies went in each tray?

_____

Dividing by 3, 4 and 6

5. Dividing by 3

Work out each quotient.

1 $3 \div 3 =$ ___
2 $15 \div 3 =$ ___
3 $6 \div 3 =$ ___
4 $30 \div 3 =$ ___
5 $9 \div 3 =$ ___
6 $21 \div 3 =$ ___
7 $12 \div 3 =$ ___
8 $27 \div 3 =$ ___
9 $18 \div 3 =$ ___
10 $24 \div 3 =$ ___

6. Dividing by 4

Work out each quotient.

11 $4 \div 4 =$ ___
12 $24 \div 4 =$ ___
13 $8 \div 4 =$ ___
14 $32 \div 4 =$ ___
15 $12 \div 4 =$ ___
16 $28 \div 4 =$ ___
17 $16 \div 4 =$ ___
18 $40 \div 4 =$ ___
19 $20 \div 4 =$ ___
20 $36 \div 4 =$ ___

7. Dividing by 6

Work out each quotient.

21 $6 \div 6 =$ ___
22 $42 \div 6 =$ ___
23 $12 \div 6 =$ ___
24 $48 \div 6 =$ ___
25 $18 \div 6 =$ ___
26 $36 \div 6 =$ ___
27 $24 \div 6 =$ ___
28 $60 \div 6 =$ ___
29 $30 \div 6 =$ ___
30 $54 \div 6 =$ ___

8. Word problems: dividing

Read each problem. Write the answer.

31 Omar laid out 20 cupcakes in 5 rows of equal length. Omar also has 2 bread rolls.

How many cupcakes are in a row?

_____

Dividing by 7, 8 and 9

9. Dividing by 7

Work out each quotient.

1 $42 \div 7 =$ ___
2 $14 \div 7 =$ ___
3 $56 \div 7 =$ ___
4 $35 \div 7 =$ ___
5 $70 \div 7 =$ ___
6 $49 \div 7 =$ ___
7 $63 \div 7 =$ ___
8 $28 \div 7 =$ ___
9 $21 \div 7 =$ ___
10 $7 \div 7 =$ ___

10. Dividing by 8

Work out each quotient.

11 $48 \div 8 =$ ___
12 $8 \div 8 =$ ___
13 $80 \div 8 =$ ___
14 $40 \div 8 =$ ___
15 $72 \div 8 =$ ___
16 $56 \div 8 =$ ___
17 $64 \div 8 =$ ___
18 $16 \div 8 =$ ___
19 $24 \div 8 =$ ___
20 $32 \div 8 =$ ___

11. Dividing by 9

Work out each quotient.

21 $54 \div 9 =$ ___
22 $27 \div 9 =$ ___
23 $81 \div 9 =$ ___
24 $63 \div 9 =$ ___
25 $90 \div 9 =$ ___
26 $45 \div 9 =$ ___
27 $72 \div 9 =$ ___
28 $9 \div 9 =$ ___
29 $36 \div 9 =$ ___
30 $18 \div 9 =$ ___

12. Word problems: dividing

Read each problem. Write the answer.

31 Priya put 10 notebooks equally into 2 shelves.

How many notebooks went in each shelf?

_____

32 Lucia laid out 8 bread rolls in 2 rows of equal length. Lucia also has 6 cookies.

How many bread rolls are in a row?

_____

33 Farah put 35 food pellets equally into 5 hutches.

How many food pellets went in each hutch?

_____

Answer Key (1 of 2)

Dividing by 2, 5 and 10

Dividing by 2

1. 2 ÷ 2 = 1
2. 6 ÷ 2 = 3
3. 12 ÷ 2 = 6
4. 8 ÷ 2 = 4
5. 4 ÷ 2 = 2
6. 14 ÷ 2 = 7
7. 20 ÷ 2 = 10
8. 10 ÷ 2 = 5

Dividing by 5

9. 10 ÷ 5 = 2
10. 5 ÷ 5 = 1
11. 25 ÷ 5 = 5
12. 15 ÷ 5 = 3
13. 20 ÷ 5 = 4
14. 30 ÷ 5 = 6
15. 40 ÷ 5 = 8
16. 35 ÷ 5 = 7
17. 45 ÷ 5 = 9
18. 50 ÷ 5 = 10

Dividing by 10

19. 30 ÷ 10 = 3
20. 20 ÷ 10 = 2
21. 50 ÷ 10 = 5
22. 40 ÷ 10 = 4
23. 10 ÷ 10 = 1
24. 70 ÷ 10 = 7
25. 80 ÷ 10 = 8
26. 60 ÷ 10 = 6
27. 90 ÷ 10 = 9
28. 100 ÷ 10 = 10

Word problems: dividing

29. 24 ÷ 6 = 4 shelves
30. 24 ÷ 6 = 4 boxes
31. 18 ÷ 3 = 6 cookies

Dividing by 3, 4 and 6

Dividing by 3

1. 3 ÷ 3 = 1
2. 15 ÷ 3 = 5
3. 6 ÷ 3 = 2
4. 30 ÷ 3 = 10
5. 9 ÷ 3 = 3

Dividing by 3, 4 and 6 (continued)

Dividing by 3 (continued)

6. 21 ÷ 3 = 7
7. 12 ÷ 3 = 4
8. 27 ÷ 3 = 9
9. 18 ÷ 3 = 6
10. 24 ÷ 3 = 8

Dividing by 4

11. 4 ÷ 4 = 1
12. 24 ÷ 4 = 6
13. 8 ÷ 4 = 2
14. 32 ÷ 4 = 8
15. 12 ÷ 4 = 3
16. 28 ÷ 4 = 7
17. 16 ÷ 4 = 4
18. 40 ÷ 4 = 10
19. 20 ÷ 4 = 5
20. 36 ÷ 4 = 9

Dividing by 6

21. 6 ÷ 6 = 1
22. 42 ÷ 6 = 7
23. 12 ÷ 6 = 2
24. 48 ÷ 6 = 8
25. 18 ÷ 6 = 3
26. 36 ÷ 6 = 6
27. 24 ÷ 6 = 4
28. 60 ÷ 6 = 10
29. 30 ÷ 6 = 5
30. 54 ÷ 6 = 9

Word problems: dividing

31. 20 ÷ 5 = 4 cupcakes

Dividing by 7, 8 and 9

Dividing by 7

1. 42 ÷ 7 = 6
2. 14 ÷ 7 = 2
3. 56 ÷ 7 = 8
4. 35 ÷ 7 = 5
5. 70 ÷ 7 = 10
6. 49 ÷ 7 = 7
7. 63 ÷ 7 = 9
8. 28 ÷ 7 = 4
9. 21 ÷ 7 = 3
10. 7 ÷ 7 = 1

Answer Key (2 of 2)

Dividing by 7, 8 and 9 (continued)

Dividing by 8

11. 48 ÷ 8 = 6
12. 8 ÷ 8 = 1
13. 80 ÷ 8 = 10
14. 40 ÷ 8 = 5
15. 72 ÷ 8 = 9
16. 56 ÷ 8 = 7
17. 64 ÷ 8 = 8
18. 16 ÷ 8 = 2
19. 24 ÷ 8 = 3
20. 32 ÷ 8 = 4

Dividing by 9

21. 54 ÷ 9 = 6
22. 27 ÷ 9 = 3
23. 81 ÷ 9 = 9
24. 63 ÷ 9 = 7
25. 90 ÷ 9 = 10
26. 45 ÷ 9 = 5
27. 72 ÷ 9 = 8
28. 9 ÷ 9 = 1
29. 36 ÷ 9 = 4
30. 18 ÷ 9 = 2

Word problems: dividing

31. 10 ÷ 2 = 5 notebooks
32. 8 ÷ 2 = 4 bread rolls
33. 35 ÷ 5 = 7 food pellets

Solutions (1 of 2)

Dividing by 2, 5 and 10

Word problems: dividing

29. Noah packed 24 tickets into shelves of 6.

How many shelves did Noah fill? ___

asked: How many shelves did Noah fill?

24 ÷ 6 = 4

4 shelves

Read it through once and do NOTHING. Grabbing the numbers on the first read means choosing an operation before you know the story, and that choice is the only hard part of a word problem.

Now the numbers: 24 and 6. Finding them is not the same as knowing what to do with them — that comes next, and it comes from the story rather than from the numbers.

One total split into groups of a known size, with the question asking HOW MANY groups — which is the other thing dividing asks. So this one is a division: 24 ÷ 6.

24 ÷ 6 = 4 shelves. And answer the question that was ASKED — "How many shelves did Noah fill?" — in shelves, because the sum on its own is not yet an answer.

Solutions (2 of 2)

Dividing by 2, 5 and 10 (continued)

Word problems: dividing (continued)

30. Marian packed 24 bread rolls into boxes of 6.

How many boxes did Marian fill? ____

asked: How many boxes did Marian fill?

24 ÷ 6 = 4

4 boxes

Read it through once and do NOTHING. Grabbing the numbers on the first read means choosing an operation before you know the story, and that choice is the only hard part of a word problem.

Now the numbers: 24 and 6. Finding them is not the same as knowing what to do with them — that comes next, and it comes from the story rather than from the numbers.

One total split into groups of a known size, with the question asking HOW MANY groups — which is the other thing dividing asks. So this one is a division: 24 ÷ 6.

24 ÷ 6 = 4 boxes. And answer the question that was ASKED — "How many boxes did Marian fill?" — in boxes, because the sum on its own is not yet an answer.