MATH

Dividing decimals by whole numbers

Name _____ Date _____

I can divide a decimal by a whole number.

1 How it works

Divide as you would with whole numbers. Put the decimal point in the answer straight above the decimal point in the number you are dividing, before you start. 7.5 ÷ 3: 3 goes into 7 twice, then into 15 five times, so the answer is 2.5.



point straight up

2 Divide

Think of the multiplication fact.

1. **1.2 ÷ 4 =** ☐
2. **8.8 ÷ 8 =** ☐
3. **1.68 ÷ 6 =** ☐
4. **0.03 ÷ 3 =** ☐
5. **4.5 ÷ 5 =** ☐
6. **0.7 ÷ 7 =** ☐
7. **2.7 ÷ 9 =** ☐
8. **12.9 ÷ 3 =** ☐
9. **0.14 ÷ 2 =** ☐

How did I do? ☆ ☆ ☆

Scan for more free practice

Long division with decimals

Name _____ Date _____

I can divide a decimal by a whole number.

1 Divide. Show your work.

Put the point straight up first. The dot shows where.

1. $3\overline{)22.98}$

2. $6\overline{)19.44}$

3. $3\overline{)3.63}$

4. $3\overline{)12.72}$

5. $8\overline{)79.44}$

6. $5\overline{)45.75}$

2 Share the money equally

1. $16.70 ÷ 2 = ☐

2. $27.40 ÷ 4 = ☐

3. $54.90 ÷ 6 = ☐

4. $51.90 ÷ 6 = ☐

How did I do? ☆ ☆ ☆

Scan for more free practice

Missing numbers and estimating

Name _____ Date _____

I can check division with multiplication.

1 Find the missing number

Use multiplication to check.

1. ☐ ÷ 6 = 2.4
2. 40.8 ÷ ☐ = 6.8
3. ☐ ÷ 5 = 8.3
4. 79.2 ÷ ☐ = 9.9
5. ☐ ÷ 5 = 5.7
6. 25.2 ÷ ☐ = 8.4

2 Estimate first, then circle the answer

Round the decimal to a whole number.

1. 11.7 ÷ 3 = (0.39) (3.9) (39)
2. 11.2 ÷ 8 = (1.4) (14) (0.14)
3. 65.1 ÷ 7 = (93) (0.93) (9.3)
4. 12.3 ÷ 3 = (0.41) (4.1) (41)

3 Think about it

1. Is 9.6 ÷ 3 more or less than 3?
2. How can you check 7.5 ÷ 5 = 1.5?
3. What is 0.8 ÷ 4?
4. Share $5.00 equally among 4 people. How much does each get?

How did I do? ☆ ☆ ☆

Scan for more free practice

Word problems

Name _____ Date _____

I can use decimals to solve problems.

1 Read, think, answer

Show your thinking in the box.

1 Zara and 3 friends share $10.60 equally. How much does each of the 4 get?

Answer:

2 A 7.5 meter ribbon is cut into 3 equal pieces. How long is each piece?

Answer:

3 Ali paid $8.75 for 5 notebooks. They all cost the same. How much is one notebook?

Answer:

4 A 2.4 liter jug of water fills 6 glasses equally. How much water is in each glass?

Answer:

How did I do? ☆ ☆ ☆

Scan for more free practice

FOR TEACHERS AND PARENTS

Answer key: dividing decimals by whole numbers

1 Page 1

Quotients: 1) 0.3; 2) 1.1; 3) 0.28; 4) 0.01; 5) 0.9; 6) 0.1; 7) 0.3; 8) 4.3; 9) 0.07.

2 Page 2

Long division: 1) 7.66; 2) 3.24; 3) 1.21; 4) 4.24; 5) 9.93; 6) 9.15.
Money: 1) $8.35; 2) $6.85; 3) $9.15; 4) $8.65.

3 Page 3

Missing numbers: 1) 14.4; 2) 6; 3) 41.5; 4) 8; 5) 28.5; 6) 3.
Estimate: 1) 3.9; 2) 1.4; 3) 9.3; 4) 4.1.
Think: 1) More. It is 3.2; 2) Multiply: 1.5 × 5 = 7.5; 3) 0.2; 4) $1.25.

4 Page 4: word problems

1) 10.60 ÷ 4 = $2.65
2) 7.5 ÷ 3 = 2.5 meters
3) 8.75 ÷ 5 = $1.75
4) 2.4 ÷ 6 = 0.4 liter

5 Teaching tip

Practice with money first. Sharing $7.50 between 3 children is something every child can picture, and the answer of $2.50 shows why the point lines up.

Scan for more free practice