



**THIRD SPACE
LEARNING**

Long Division Worksheet

Number and Quantity

Grades 6 to 8

Skill Questions

Name:

Date:

- 1 Solve the following equation using long division, stating your remainder as a whole number.

$$987 \div 23$$

Answer

- 2 Solve the following equation using long division, stating the remainder as a fraction:

$$1,452 \div 37$$

Answer

- 3 Solve the following equation using long division, stating the remainder as a fraction:

$$6,284 \div 45$$

Answer

- 4 Solve the following equation using long division, stating the remainder as a decimal:

$$8,719 \div 52$$

Answer

- 5 Solve the following equation using long division, stating the remainder as a decimal:

$$3,216 \div 29$$

Answer

Long Division Worksheet | Grades 6 to 8

- 6 Use long division to write the following rational number as a decimal: $\frac{7}{3}$

Answer

- 7 Use long division to write the following rational number as a decimal: $\frac{25}{8}$

Answer

- 8 Use long division to write the following rational number as a decimal: $\frac{19}{6}$

Answer

- 9 Use long division to write the following rational number as a decimal: $\frac{41}{12}$

Answer

- 10 Use long division to write the following rational number as a decimal: $\frac{11}{4}$

Answer

Applied Questions

- 11** A school ordered 2,472 pencils for 18 classrooms. If the pencils are divided equally among the classrooms, how many pencils will each classroom receive? How many pencils will remain?

Answer

- 12** A company needs to pack 6,815 items into boxes, with each box holding 24 items. How many full boxes can be packed, and how many items will be left unpacked?

Answer

- 13** A family traveled 1,250 miles over 5 days on a road trip. If they drove the same distance each day, how many miles did they drive per day?

Answer

- 14** A factory has 19 liters of juice that needs to be equally divided among 8 bottles. How many liters of juice will each bottle hold? Express the answer as a decimal.

Answer

- 15** A group of hikers has 23 liters of water to share equally among 6 bottles. How many liters of water will each bottle contain? Express the answer as a decimal.

Answer

Answers

Question number	Question	Answers	Standard
1	Solve the following equation using long division, stating your remainder as a whole number. $987 \div 23$	42 r. 21	6.NS.B.2
2	Solve the following equation using long division, stating the remainder as a fraction: $1,452 \div 37$	$39\frac{9}{37}$	6.NS.B.2
3	Solve the following equation using long division, stating the remainder as a fraction: $6,284 \div 45$	$139\frac{29}{45}$	6.NS.B.2
4	Solve the following equation using long division, stating the remainder as a decimal: $8,719 \div 52$	167.6731	6.NS.B.2
5	Solve the following equation using long division, stating the remainder as a decimal: $3,216 \div 29$	110.8966	6.NS.B.2
6	Use long division to write the following rational number as a decimal: $\frac{7}{3}$	$2.\overline{3}$	7.NS.A.2d
7	Use long division to write the following rational number as a decimal: $\frac{25}{8}$	3.125	7.NS.A.2d
8	Use long division to write the following rational number as a decimal: $\frac{19}{6}$	$3.1\overline{6}$	7.NS.A.2d

Long Division Worksheet | Grades 6 to 8 | Answers

Question number	Question	Answers	Standard
9	Use long division to write the following rational number as a decimal: $\frac{41}{12}$	$3.41\bar{6}$	7.NS.A.2d
10	Use long division to write the following rational number as a decimal: $\frac{11}{4}$	2.75	7.NS.A.2d
11	A school ordered 2,472 pencils for 18 classrooms. If the pencils are divided equally among the classrooms, how many pencils will each classroom receive? How many pencils will remain?	Each classroom will receive 137 pencils, with 6 pencils left over.	6.NS.B.2
12	A company needs to pack 6,815 items into boxes, with each box holding 24 items. How many full boxes can be packed, and how many items will be left unpacked?	283 boxes can be packed, with 23 items unpacked.	6.NS.B.2
13	A family traveled 1,250 miles over 5 days on a road trip. If they drove the same distance each day, how many miles did they drive per day?	250 miles per day	6.NS.B.2
14	A factory has 19 liters of juice that needs to be equally divided among 8 bottles. How many liters of juice will each bottle hold? Express the answer as a decimal.	2.375 liters of juice	7.NS.A.2d
15	A group of hikers has 23 liters of water to share equally among 6 bottles. How many liters of water will each bottle contain? Express the answer as a decimal.	$3.8\bar{3}$ liters of water	7.NS.A.2d

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Each student could receive a personalized lesson every week from our specialist one-on-one math tutors.

- ✓ Differentiated instruction for each student
- ✓ Aligned to your state's standard
- ✓ Scaffolded learning to close gaps

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