# Short Division

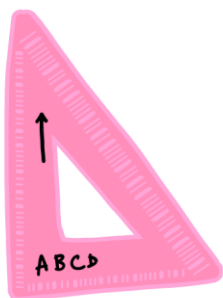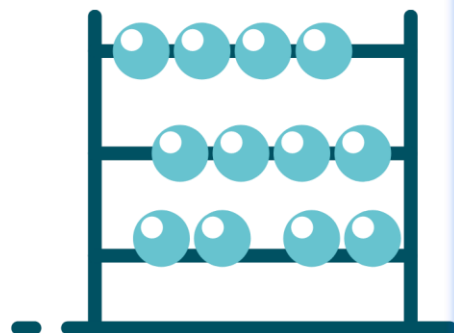## Short Division (worksheet)

Name: _____

### Short Division

Solve the equations.

1. $5\overline{)455}$    2. $3\overline{)813}$

4. $7\overline{)399}$    5. $8\overline{)248}$

7. $6\overline{)846}$    8. $5\overline{)935}$

10. $7\overline{)829}$   11. $6\overline{)938}$

13. $6\overline{)255}$   14. $8\overline{)362}$

## Short Division Puzzle

Name: _____

### Short Division Puzzle

Use short division to answer the questions and color the rainbow & mountains!

221 r2 = Blue    135 = Yellow    236 r2 = Pink

141 = Red    21 = Green    181 = Orange    161 = Orange

$675 \div 5$

$886 \div 4$

$846 \div 6$

$126 \div 6$

$946 \div 4$

$905 \div 5$

$966 \div 6$

# Short Division

Short division is important for when dividing large numbers. Follow the steps below.

$$8412 \div 4 \rightarrow 4\overline{)8412}$$

2 103

Preview

Step 1: How many times does 4 go into 8?...the answer is 2.

Step 2: How many times does 4 go into 4?...the answer is 1.

Step 3: How many times does 4 go into 1?...the answer is 0.

Step 4: Because the answer was 0, we ask, how many times does 4 go into 12?...the answer is 3

**Remainders**

# Short Division

If you have a remainder, you simply carry it over to the next number. Check out the example below.

$$423 \div 3 \rightarrow \quad 3\overline{)4^{1}23} = 141$$

Preview

Step 1: How many times does 3 go into 4?…the answer is 1, remainder 1. Place that remainder (1) next to the 2 and it becomes 12.

Step 2: How many times does 3 go into 12?…the answer is 4.

Step 3: How many times does 3 go into 3?…the answer is 1.

**Remainders**

# Short Division

If there is a remainder on the last number, you simply write 'r' and the number. Look at the example below.

$$111 \text{ r}2$$
$$557 \div 5 \rightarrow \quad 5\overline{)557}$$

**Preview**

Step 1: How many times does 5 go into 5?...the answer is 1.

Step 2: How many times does 5 go into 1?...the answer is 1.

Step 3: How many times does 5 go into 7?...the answer is 1 remainder 2.

# Short Division

Let's try some together. Don't forget, if there's a remainder, put it at the top left of the next number.

$$5\overline{)545} = 109$$

$$3\overline{)613} = 204 \text{ r1}$$

$$4\overline{)528} = 132$$

Preview

# Short Division

Have a go yourself. Don't forget, if there's a remainder, put it at the top left of the next number.

$$242$$
$$3\overline{)726}$$

$$171$$
$$5\overline{)855}$$

$$122r2$$
$$6\overline{)734}$$

Preview

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# Short Division

Complete the worksheets below to get some important repetition!

Name: _____

## Short Division

Solve the equations.

1. 5)455
2. 3)813
3. 8)456

4. 7)399
5. 8)248
6. 9)648

7. 6)846
8. 5)935
9. 7)686

10. 7)829
11. 6)938
12. 4)185

13. 6)255
14. 8)362
15. 7)779

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Name: _____

## Short Division Puzzle

Use short division to answer the questions and color the rainbow & mountains!

221 r2 = Blue    135 = Yellow    236 r2 = Pink

141 = Red    21 = Green    181 = Orange    161 = Orange

$675 \div 5$

$886 \div 4$

$846 \div 6$

$126 \div 6$

$905 \div 5$

$946 \div 4$

$966 \div 6$

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Preview