

**How to Administer the Quick Check:**

- The Quick Check consists of two parts: an Instructor portion which includes solutions and a Student portion with problems for each concept.
- **Your student need only complete the Quick Check problems for the concepts for which you responded **Unsure**.**
- Have your student complete the Quick Check items independently. You may attempt to clarify the wording of a question, but you should not provide hints about how to solve a problem.
- Return to the Question Block when you have checked your student's work.
- *You should now be able to answer **Yes** or **No** for each question.*
- Click **Next** to go to the next screen.

5.1

**Can my student reword a division problem to make it into a question about multiplication?**

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5.1a

**Express  $16 \div 2 = \_$  as a multiplication problem.**

$$8 \times \underline{2} = 16 \text{ or } 2 \times \underline{8} = 16$$

5.1b

**Rewrite  $20 \div 5 = \_$  as a multiplication problem**

$$4 \times \underline{5} = 20 \text{ or } 5 \times \underline{4} = 20$$



5.2

**Can my student explain in what situations it makes sense to separate a remainder?**

5.2a

**Lucy has 28 fish for which to find homes.  
Five of them can live together comfortably in one aquarium.**

**How many aquariums will be needed?**

**6 aquariums will be needed**

$$28 \div 5 = 5, R 3$$

**What does the remainder mean in relation to the number of aquariums needed?**

**A sixth aquarium will be required**

You cannot have a partial aquarium for the remaining three fish.

**Will there be the same number of fish in each aquarium?**

**No**

At least one aquarium will not have the same number of fish as the others.



5.2

Can my student explain in what situations it makes sense to separate a remainder?

5.2b

Two-hundred twenty-three people are attending a private performance of the play. Six people can sit in each row of the theater.

How many rows will they need?

38 rows will be needed

$$223 \div 6 = 37, R 1$$

What does the remainder mean in relation to number of rows needed?

An additional row will be needed for the one remaining person.

Will there be the same number of people in each row?

No

At least one row will not have the same number of people as the others.



5.3

Does my student understand division in terms of how many groups of one number can be counted out of another?

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5.3a

Express “How many groups of two can you count out of 20?” as a division problem.

$$20 \div 2$$

5.3b

$70 \div 7$  means “How many groups of \_ can I count out of \_?”

$$7, 70$$



5.4 Can my student divide multiple-digit numbers with remainders?

5.4a Using only paper and pencil, complete the following problem:  $3 \overline{)502}$

167 R 1

$$\begin{array}{r} 167 \text{ R } 1 \text{ or } \text{R } \frac{1}{3} \\ 3 \overline{)502} \\ \underline{-3} \phantom{0} \\ 20 \\ \underline{-18} \\ 22 \\ \underline{-21} \\ 1 \end{array}$$

5.4b Using only paper and pencil, complete the following problem:  $21 \overline{)42,098}$

2,004 R 14

$$\begin{array}{r} 2,004 \text{ R } 14 \text{ or } \text{R } \frac{14}{21} \text{ or } \text{R } \frac{2}{7} \\ 21 \overline{)42,098} \\ \underline{-42} \phantom{00} \\ 00 \\ \underline{-0} \\ 09 \\ \underline{-0} \\ 98 \\ \underline{-84} \\ 14 \end{array}$$



5.5

Can my student confidently solve word problems involving division?

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5.5a

It takes three eggs to make a cake. Find how many cakes you can make with 37 eggs.

**12 cakes**

$$37 \div 3 = 12, R 1 \text{ or } R \frac{1}{3}$$

5.5b

The hikers walked 26 miles a day. How many days it will take them to walk 390 miles?

**15 days**

$$390 \div 26 = 15$$

**How to complete the Quick Check:**

- You only need to complete the problems your parent or instructor assigns.

**5.1**

5.1a Express  $16 \div 2 = \_$  as a multiplication problem.

5.1b Rewrite  $20 \div 5 = \_$  as a multiplication problem









5.3

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5.3a

Express “How many groups of two can you count out of 20?” as a division problem.

5.3b

$70 \div 7$  means “How many groups of \_ can I count out of \_?”

5.4

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5.4a

Using only paper and pencil, complete the following problem:  $3 \overline{)502}$

5.4b

Using only paper and pencil, complete the following problem:  $21 \overline{)42,098}$



5.5

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5.5a

It takes three eggs to make a cake. Find how many cakes you can make with 37 eggs.

5.5b

The hikers walked 26 miles a day. How many days it will take them to walk 390 miles?