

Fractions



a) Write the missing numbers.

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|--|--|--|--|--|--|--|--|--|
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|--|--|--|--|--|--|--|--|--|

b) Add these numbers

| Add | |
|-----|--|
| 6 | |
| 8 | |
| | |
| | |

c) Subtract these numbers

| Subtract | |
|----------|--|
| 9 | |
| 7 | |
| | |
| | |

d) What fraction is shaded?

i)

| | | | |
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| | | | |
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ii)

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e) Fill in the number that comes before or after.

i)

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|--|--|

ii)

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|--|--|

iii)

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iv)

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f) The number

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 has

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 tens and

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 ones.

g) The number

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 has

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 tens and

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| |
|--|

 ones.

Equations, Ordering and Averages



a) Solve the following equations if $x =$

i)

ii)

b) Order is very important in completing algebra problems. For instance:

- Always do what's in the brackets first
- Multiplying and dividing come before adding and subtracting

Solve the following equations.

i)

ii)

c) Examine the input-output table shown below.

| Input | Output |
|-------|--------|
| | |
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| | |

Which rule describes the data?

d) Calculate the average from these five numbers.

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|--|--|--|--|--|

Average: _____

Time's Up



For this task you will need either a stopwatch or a clock with a minute hand. Your job is to work under the supervision of an adult and to determine a task that everyone in a small group might be able to do (recite a poem, read a passage from a story, do the twelve times table). After you do this:

- a) Time each person in your group performing the task. Record the times on a piece of paper. Denote the number of minutes and/or seconds it takes. This is called the first trial.
- b) Complete the task again now that all members have done it once. This is called the second trial. See how the times change now that each group member has some practice.
- c) Place the times onto a double bar chart representing each participant so times can be compared. Place the names in order from shortest to longest based on the times during the second trial.
- d) Make a list of at least ten observations about the difference in times on the chart from the first trial to the second trial.
- e) Summarize your findings and share them in class.