

Luna's Space Adventure

Grade 5 · Percents as parts of 100 · IN.5.NS.4

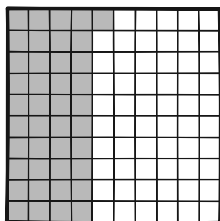
Name _____

Date _____



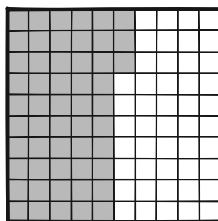
Astronaut Luna is exploring a far-off corner of space. Solve each problem to help Luna's mission go smoothly!

Name the percent Percent means out of 100. Count the shaded squares.



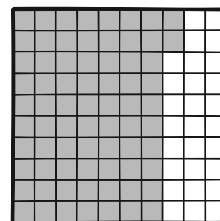
Percent _____

Fraction _____



Percent _____

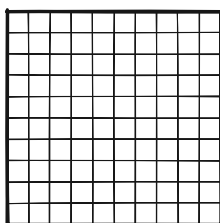
Fraction _____



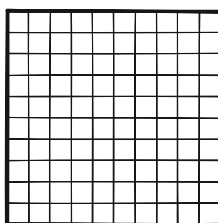
Percent _____

Fraction _____

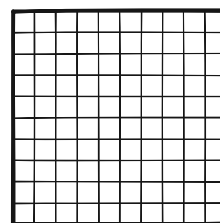
Shade the percent Shade whole columns of 10, then single squares.



Shade 30%



Shade 45%



Shade 80%

Percent as a fraction Write it over 100, then in lowest terms.

60% = _____

10% = _____

25% = _____

80% = _____



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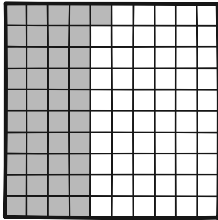
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ANSWER KEY



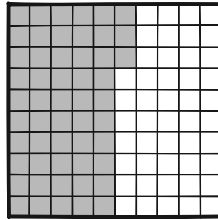
Astronaut Luna is exploring a far-off corner of space. Solve each problem to help Luna's mission go smoothly!

Name the percent Percent means out of 100. Count the shaded squares.



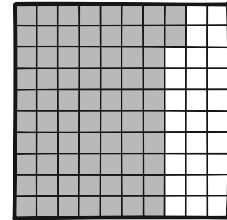
Percent 41%

Fraction $\frac{41}{100}$



Percent 53%

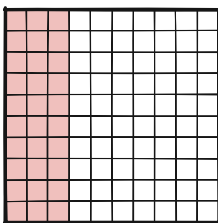
Fraction $\frac{53}{100}$



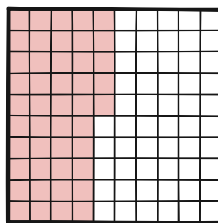
Percent 72%

Fraction $\frac{72}{100}$

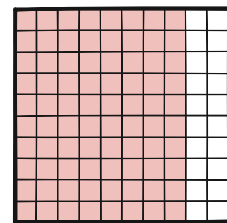
Shade the percent Shade whole columns of 10, then single squares.



Shade 30%



Shade 45%



Shade 80%

Percent as a fraction Write it over 100, then in lowest terms.

60% =	<u>$\frac{60}{100} = \frac{3}{5}$</u>	10% =	<u>$\frac{10}{100} = \frac{1}{10}$</u>
25% =	<u>$\frac{25}{100} = \frac{1}{4}$</u>	80% =	<u>$\frac{80}{100} = \frac{4}{5}$</u>



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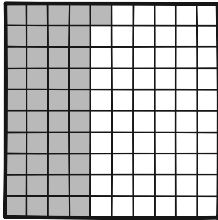
GUIDE

1 What this sheet practises

Seeing a percent as so many parts out of 100 on a hundredths grid, and writing it as a fraction over 100 and in lowest terms.

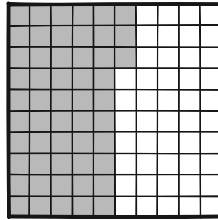
2 A problem from the sheet, worked out

Name the percent Percent means out of 100. Count the shaded squares.



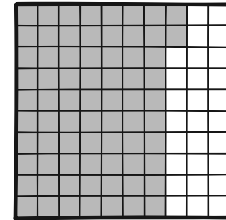
Percent 41%

Fraction 41/100



Percent 53%

Fraction 53/100



Percent 72%

Fraction 72/100

How: Percent means out of 100: 35 shaded squares out of 100 is 35%, which is 35/100. Divide top and bottom by the same number for lowest terms: $35/100 = 7/20$.

3 Words to know

percent parts out of 100, written with %

hundredth one of 100 equal parts

lowest terms a fraction that can't be simplified more

equivalent the same amount written another way

4 Watch for

- Counting columns as 1 each instead of 10.
- Writing 4% for 40% when four whole columns are shaded.
- Dividing only the top of the fraction when simplifying.

5 Where it fits

BEFORE

4.NF.C.6

Write tenths and hundredths as decimals.

THIS SHEET

5.NS.4

Model percents as parts of 100 with pictures and find the equal fraction.

6 Helping at home

Look for percents on labels and signs (50% off, 100% juice) and ask what each means out of 100.

