

UNDERSTANDING PERCENTS - A

ANSWERS - PAGE 1

A PERCENT IS A NUMBER OUT OF 100. EXAMPLES:

23 OUT OF 100 = 23%, ALSO 23 OUT OF 100 = $\frac{23}{100}$.

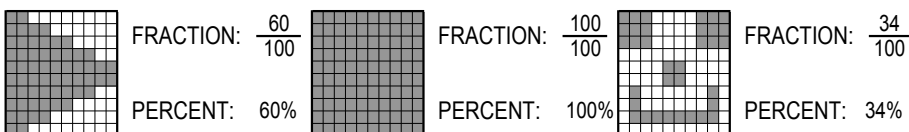
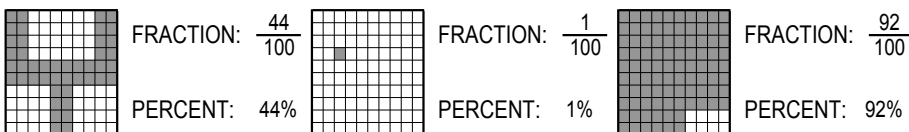
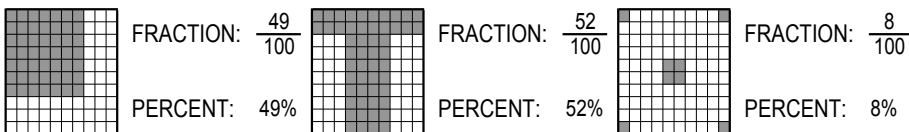
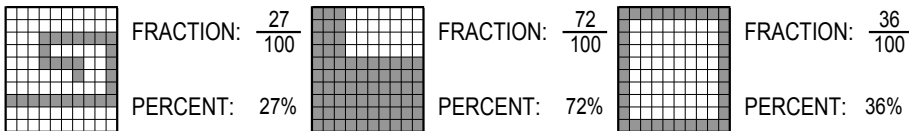
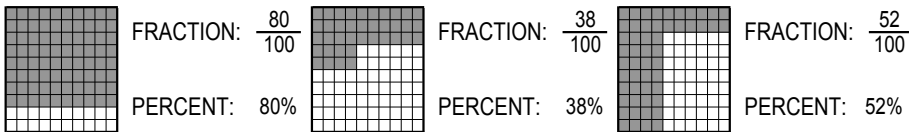
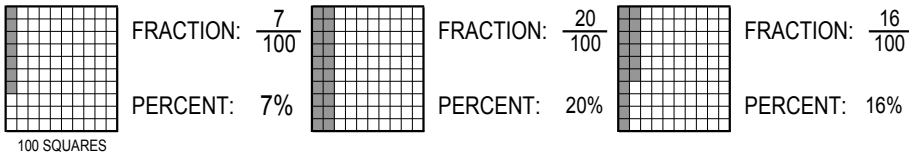
9 OUT OF 100 = 9%, ALSO 9 OUT OF 100 = $\frac{9}{100}$.

67 OUT OF 100 = 67%, ALSO 67 OUT OF 100 = $\frac{67}{100}$.

IF YOU LOOK CLOSELY

THE PERCENT SIGN LOOKS LIKE 100. IT HAS A 1 AND TWO 0's (%).

WRITE THE FRACTION AND PERCENT OF THE SHADED AMOUNT IN EACH LARGE SQUARE.



UNDERSTANDING PERCENTS - B

ANSWERS - PAGE 2

THE WORD PERCENT HAS "CENT" IN IT. A CENT IS ONE HUNDREDTH OF A DOLLAR.

EXAMPLE: 18% MEANS: 18 OUT OF 100 OR $\frac{18}{100}$ OR 18 HUNDREDTHS.

FILL IN THE EMPTY SPACES USING "OUT OF 100" OR A FRACTION OR "HUNDREDTHS".

25% MEANS: 25 OUT OF 100 OR $\frac{25}{100}$ OR 25 HUNDREDTHS.

4% MEANS: 4 OUT OF 100 OR $\frac{4}{100}$ OR 4 HUNDREDTHS.

91% MEANS: 91 OUT OF 100 OR $\frac{91}{100}$ OR 91 HUNDREDTHS.

46% MEANS: 46 OUT OF 100 OR $\frac{46}{100}$ OR 46 HUNDREDTHS.

30% MEANS: 30 OUT OF 100 OR $\frac{30}{100}$ OR 30 HUNDREDTHS.

75% MEANS: 75 OUT OF 100 OR $\frac{75}{100}$ OR 75 HUNDREDTHS.

18% MEANS: 18 OUT OF 100 OR $\frac{18}{100}$ OR 18 HUNDREDTHS.

100% MEANS: 100 OUT OF 100 OR $\frac{100}{100} = 1$ OR 100 HUNDREDTHS = 1.

10% MEANS: 10 OUT OF 100 OR $\frac{10}{100}$ OR 10 HUNDREDTHS.

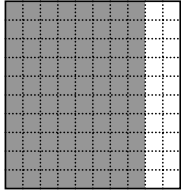
83% MEANS: 83 OUT OF 100 OR $\frac{83}{100}$ OR 83 HUNDREDTHS.

FILL IN THE EMPTY BOXES SHOWING EACH PERCENT FOUR DIFFERENT WAYS.

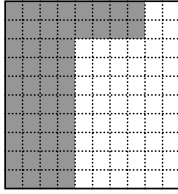
OUT OF 100	FRACTION	HUNDREDTHS	PERCENT SIGN
5 OUT OF 100	$\frac{5}{100}$	5 HUNDREDTHS	5%
50 OUT OF 100	$\frac{50}{100}$	50 HUNDREDTHS	50%
68 OUT OF 100	$\frac{68}{100}$	68 HUNDREDTHS	68%
49 OUT OF 100	$\frac{49}{100}$	49 HUNDREDTHS	49%
33 OUT OF 100	$\frac{33}{100}$	33 HUNDREDTHS	33%
37 OUT OF 100	$\frac{37}{100}$	37 HUNDREDTHS	37%
99 OUT OF 100	$\frac{99}{100}$	99 HUNDREDTHS	99%
80 OUT OF 100	$\frac{80}{100}$	80 HUNDREDTHS	80%
2 OUT OF 100	$\frac{2}{100}$	2 HUNDREDTHS	2%

HELPFUL EXAMPLES

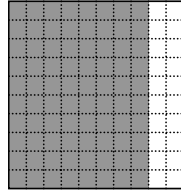
80% SHADED



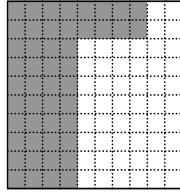
48% SHADED



$\frac{80}{100}$ SHADED



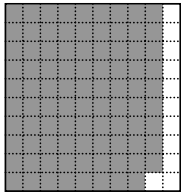
$\frac{48}{100}$ SHADED



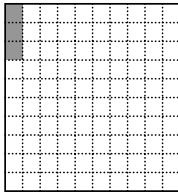
SHADE THE SQUARES FOR EACH PERCENT OR FRACTION.

SHADING MAY VARY.

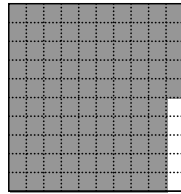
SHADE 89%



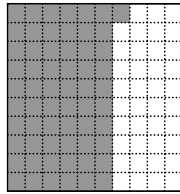
SHADE 3%



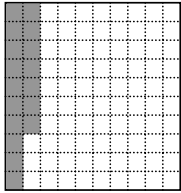
SHADE 95%



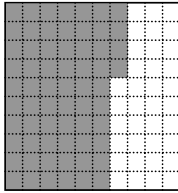
SHADE 61%



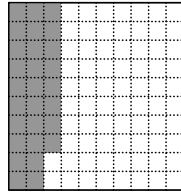
SHADE $\frac{17}{100}$



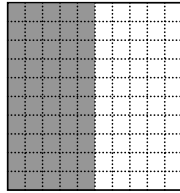
SHADE $\frac{64}{100}$



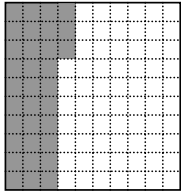
SHADE $\frac{28}{100}$



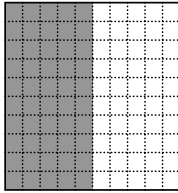
SHADE $\frac{50}{100}$



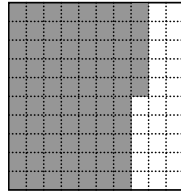
SHADE $\frac{33}{100}$



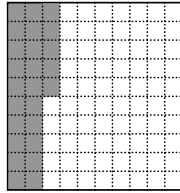
SHADE 50%



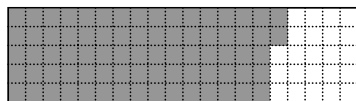
SHADE $\frac{75}{100}$



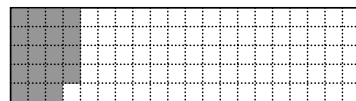
SHADE 25%



SHADE 77%



SHADE $\frac{19}{100}$



MOST OF THE TIME YOU CAN NOT SEPARATE SOMETHING INTO 100, **BUT** YOU CAN STILL USE PERCENTS. CHECK OUT THE EXAMPLES BELOW.

25% ALSO MEANS:

- 1 OUT OF 4
- 2 OUT OF 8
- 3 OUT OF 12
- 4 OUT OF 16

50% ALSO MEANS:

- 1 OUT OF 2
- 2 OUT OF 4
- 3 OUT OF 6
- 4 OUT OF 8

75% ALSO MEANS:

- 3 OUT OF 4
- 6 OUT OF 8
- 9 OUT OF 12
- 12 OUT OF 16

THESE ALL MEAN: $\frac{1}{4}$

THESE ALL MEAN: $\frac{1}{2}$

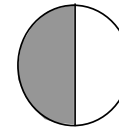
THESE ALL MEAN: $\frac{3}{4}$

FOLLOW THE DIRECTIONS FOR EACH PROBLEM.

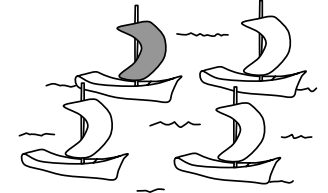
CIRCLE 75% OF THE STARS.



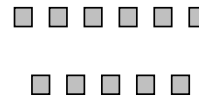
SHADE 50% OF THE CIRCLE.



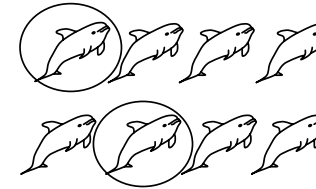
SHADE 25% OF THE SAILES.



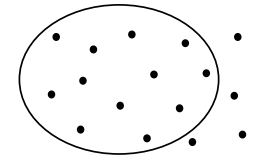
SHADE 100% OF THE SQUARES.



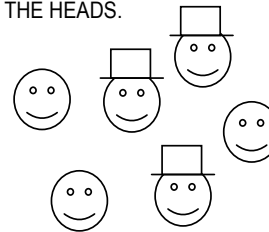
CIRCLE 25% OF THE DOLPHINS.



CIRCLE 75% OF THE DOTS.



DRAW HATS ON 50% OF THE HEADS.



LIGHT 100% OF THE CANDLES.



DRAW FACES ON 50% OF THE PEOPLE.



FRANK ATE 25% OF THE CAKE.
IF THERE WERE 20 PIECES, HOW
MANY PIECES DID HE EAT? 5