

Name: _____ Date: _____ Period: _____

Percent Proportions Practice

1) There are 850 students at Sierra Middle School. Of these, 36% are in the eighth grade. How many students are in the eighth grade?

2) Mail was delivered to 171 out of the 180 houses on Hillcrest Street. Which percent proportion would you use to find out what percent of the houses on Hillcrest Street had mail delivered?

A) $\frac{180}{171} = \frac{\%}{100}$

B) $\frac{171}{180} = \frac{\%}{100}$

C) $\frac{171}{100} = \frac{\%}{180}$

D) $\frac{180}{100} = \frac{\%}{171}$

3) Shanell answered all of the questions on her science test. She had 90% of them correct. There were 40 questions in all. How many did she have incorrect?

A) 36 questions

B) 44 questions

C) 4 questions

D) 10 questions

4) There are about 312 spools of thread made today at the factory. Four of these spools of thread are defective. About what percent of the spools of thread are defective?

A) 1.28%

B) 78%

C) 4.312%

D) 0.93%

5) Mrs. Perez bought a mixture of grass that contained 75% bluegrass seed. She purchases 2.5 pounds of grass seed in all. How many pounds of bluegrass seed did she get?

6) Chris types 350 words in 4 minutes. Which equation can be used to find w , the number of words Chris can type in 20 minutes if he continues to type at the same rate?

A) $w = \frac{350}{20}(4)$

C) $w = \frac{20}{4(350)}$

B) $w = \frac{4}{20(350)}$

D) $w = \frac{350}{4}(20)$



Spiral Review

- 7) Linda can read an average of 22 pages during a 30-minute reading period at school. If Linda continues to read at the same rate, how long will it take her to read a 275-page book?

Record your answer and fill in the bubbles on your answer document. Be sure to use the correct place value.

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0	0	0	0		0	0
1	1	1	1		1	1
2	2	2	2		2	2
3	3	3	3		3	3
4	4	4	4		4	4
5	5	5	5		5	5
6	6	6	6		6	6
7	7	7	7		7	7
8	8	8	8		8	8
9	9	9	9		9	9

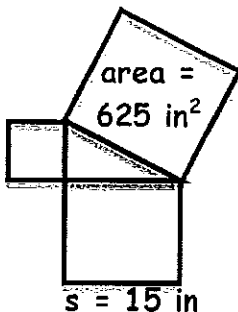
- 8) The area of a square is 148 square meters. Which best represents the length of a side of the square?

A) 10.5 m
B) 11.2 m
C) 12.2 m
D) 12.9 m

- 9) The distance from Sam's house to his grandparents' house is 5,800 miles. What is this number expressed in scientific notation?

A) 0.58×10^4
B) 58×10^2
C) 5.8×10^3
D) 5.8×10^{-3}

- 10) Three squares can be assembled to create a right triangle, as shown below.



Based on the information given, what is the area of the smallest square?

A) 400 in.² C) 20 in.²
B) 850 in.² D) 125 in.²