

Math assessment 7th grade

Percentage

Choose the right answer to this percentage word problems



Benny went to his local zoo that featured 14 whale exhibits. If these whale exhibits make up 35% of the zoo's exhibits, then how many exhibits does the zoo have in total? Round your answer to the nearest whole number if necessary.

A. 50 EXHIBITS

B. 40 EXHIBITS

C. 49 EXHIBITS

D. 32 EXHIBITS

Fred receives a \$20000 salary for working as an accountant. If Fred spends 70% of his salary on expenses each year, then how much money does Fred have to spend on expenses? Round your answer to the nearest whole number if necessary.



A. 0.35

B. 20.000

C. 6.000

D. 14.000

Percentage

In one particular suburb, 60% of families own a beagle. If there are a total of 20 families in this neighborhood that own a dog in general, then how many dog owners own a beagle? Round your answer to the nearest whole number if necessary.

A. 12

B. 21

C. 15

D. 20



At a local department store, pants have been reduced to \$6. This price is at 25% of the original price for pants. Given this, what was the original price of the pants? Round your answer to the nearest whole number if necessary.



A. 5

B. 10

C. 24

D. 14

Percentage

12 of the students in a History class passed a History test. If these students are 60% of all the students in the class, how many students are in this History class? Round your answer to the nearest whole number if necessary.

A. 32

B. 40

C. 500

D. 20



GEOMETRY

For one Geometry test, Fred had to answer 20 questions. Of these 20 questions, Fred answered 13 of them correctly. What percent did Fred get on his Geometry test? Round your answer to the nearest whole number if necessary.

A. 65%

B. 40%

C. 24 %

D. 13%



Rational numbers

E C F



$$\frac{2}{4} \div \frac{2}{5} = \frac{\boxed{}}{\boxed{}} = \frac{\boxed{}}{\boxed{}}$$

$$\frac{2}{3} \div \frac{4}{10} = \frac{\boxed{}}{\boxed{}} = \frac{\boxed{}}{\boxed{}} = \frac{\boxed{}}{\boxed{}}$$

$$\frac{2}{4} \times \frac{6}{10} = \frac{\boxed{}}{\boxed{}} = \frac{\boxed{}}{\boxed{}}$$



Rational numbers



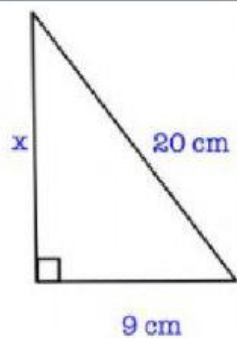
$$-\frac{1}{3} + \frac{3}{7} = \frac{\quad}{\quad} - \frac{\quad}{\quad}$$

$$\frac{-3}{8} - \frac{7}{11} = \frac{\quad}{\quad} - \frac{\quad}{\quad} = \frac{\quad}{\quad} - \frac{\quad}{\quad} = \frac{\quad}{\quad}$$

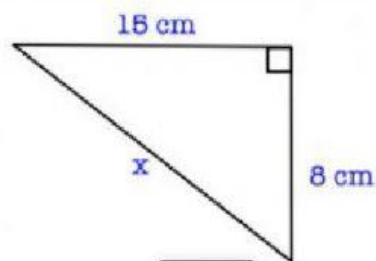
E C C



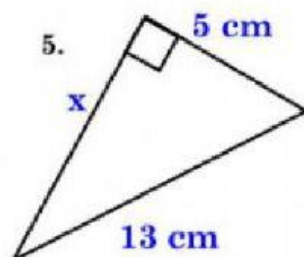
Find the length of the side marked x.



Answer: $x =$ cm.



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Answer: $x =$ cm.

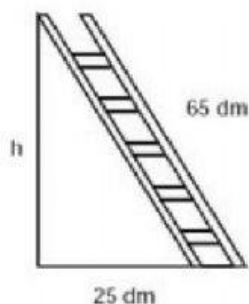
PYTHAGOREAN THEOREM





Una escalera de 65 dm de longitud está apoyada sobre la pared. El pie de la escalera dista 25 dm de la pared.

a) ¿A qué altura se apoya la parte superior de la escalera en la pared?



A. 9.48 dm

B. 60 dm

C. 4850 dm

D. 3600 dm

WELL
DONE

