

Ratios, proportions and percents



Name Class Date



Mr. Wallis' house is 38 ft wide by 54 ft high. It is proportional to Mr. River's house. If Mr. River's house is 36 ft high, approximately how wide is it?

- A 25 ft
- **B** 30 ft
- C 51 ft
- D 57 ft



At a furniture store, a child's chair is proportional to an adult's chair. The child's chair is 63 cm tall and 52 cm wide. If the adult chair is 85 cm tall, approximately how wide is it?

- A 123 cm
- **B** 103 cm
- C 70 cm
- **D** 39 cm



5

Two rectangular picture frames are proportional in size. The larger one measures 14 in. x 22 in. (b x h). If the smaller one has a base of 4 in., what is its approximate height?



A book and a CD case are proportional in size. The CD case has a base of 13.5 cm and a height of 12.5 cm. If the book has a base of 27 cm, what is the height of the book?



PREVIEW



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- A .1
- **B** 1
- C .9
- **D** 9
- SUPER CLEAN

- $\mathbf{B} \frac{114}{400}, .114$

- **c** $\frac{912}{114}$, 8.0 **d** $\frac{114}{400}$, .285



If out of 150 cars, the ratio of blue cars is $\frac{45}{150}$, the ratio of silver cars is $\frac{69}{150}$ and the ratio of green cars is $\frac{36}{150}$, what is the probability that a person will own a silver car?

- A .24
- C .46
- **B** .3
- D .69

10

There are 89 fish at a pet store. Forty-two of them are goldfish, twelve are beta fish, twenty-three are tetras, and seven are angelfish. What is the probability that a customer will buy a tetra, to the nearest hundredth?

- A .47
- C .13
- **B** .26
- D .08





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Name Class Date Mr. Wallis' house is 38 ft wide by 54 ft At a furniture store, a child's chair is proportional to an adult's chair. The high. It is proportional to Mr. River's child's chair is 63 cm tall and 52 cm house. If Mr. River's house is 36 ft high, wide. If the adult chair is 85 cm tall, approximately how wide is it? (A) approximately how wide is it? (C)A 25 ft A 123 cm **B** 30 ft **B** 103 cm C 51 ft C 70 cm D 57 ft **D** 39 cm 3 A book and a CD case are proportional Two rectangular picture frames are proportional in size. The larger one in size. The CD case has a base of measures 14 in. x 22 in. (b x h). If the 13.5 cm and a height of 12.5 cm. If the smaller one has a base of 4 in., what is book has a base of 27 cm, what is the B height of the book? its approximate height? 5 A **PREVIEW** Please Sign In or Sign Up to download the printable version of this worksheet D $\mathbf{B} \frac{114}{400}, .114$ A .1 SUPER CLEAN **c** $\frac{912}{114}$, 8.0 **d** $\frac{114}{400}$, .285 **B** 1 C .9 **D** 9 9 If out of 150 cars, the ratio of blue cars 10 There are 89 fish at a pet store. is $\frac{45}{150}$, the ratio of silver cars is $\frac{69}{150}$ and the ratio of green cars is $\frac{36}{150}$, what Forty-two of them are goldfish, twelve are beta fish, twenty-three are tetras, and seven are angelfish. What is the is the probability that a person will own C (B) probability that a customer will buy a silver car? a tetra, to the nearest hundredth? A .47 C .13 A .24 C .46 **B** .26 D .08 **B** .3 D .69